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SEVENTY-FIRST

ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

CITY of MANCHESTER

NEW HAMPSHIRE

FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1916

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS
RELATING TO THE AFFAIRS
OF THE CITY



MANCHESTER, N. H.

PRINTED BY JOHN B. CLARKE CO.

1917



MANCHESTER CITY GOVERNMENT, 1916.

Mayor.

HARRY W. SPAULDINGOffice, City Hall

Chosen at election in December, 1915. Salary, \$3,000 per annum,
payable semi-monthly.

Mayor's Clerk and Stenographer.—Ruth L. Stearns.

Aldermen.

- Ward 1. Charles E. Cox, 2422 Elm street.
 - Ward 2. Albert L. Clough, 181 Walnut street.
 - Ward 3. George C. Vail, 596 Belmont street.
 - Ward 4. Abraham L. Garmon, 517 Manchester street.
 - Ward 5. Joseph P. Kenney, 205 Bell street.
 - Ward 6. John Dana French, 132 Massabesic street.
 - Ward 7. James J. Hogan, 241 Green street.
 - Ward 8. Harry R. Bennett, 594 Somerville street.
 - Ward 9. Dana A. Emery, 1458 Elm street.
 - Ward 10. Frederick Lange, 23 Boynton street.
 - Ward 11. Gustav F. Wenzel, 146 Second street.
 - Ward 12. George Jacques, 320 Dubuque street.
 - Ward 13. Euclide F. Geoffrion, Jr., 494 Hevey street.
-

Board of Aldermen.

STANDING COMMITTEES.

- Accounts.* Aldermen Cox, Vail, Emery.
- Bills on Second Reading.* Aldermen Clough, Cox, Wenzel.
- Cemeteries.* Aldermen Clough, Cox, Garmon, French, Bennett.
- City Planning.* Aldermen Emery, Clough, Hogan.
- Claims.* Aldermen Vail, French, Emery.
- Enrollment.* Aldermen French, Jacques, Kenney.

Finance. The Mayor, Aldermen Cox, Clough, Vail, Garmon, Bennett, Emery, Geoffrion.

Fire Department. Aldermen Bennett, Clough, Garmon.

Health and Charities. Aldermen Jacques, Wenzel, Hogan.

Lands and Buildings. Aldermen Garmon, Vail, Wenzel.

Licenses. Aldermen Wenzel, French, Lange.

Lighting Streets. Aldermen Clough, Bennett, Geoffrion.

Parks and Playgrounds. Aldermen Cox, Vail, Lange.

Public Safety. Aldermen French, Geoffrion, Kenney.

Schools. Aldermen Emery, Cox, Garmon.

Streets and Sewers. Aldermen Geoffrion, Garmon, Bennett.

First named, chairman.

City Clerk.

Arthur W. Phinney.....Office, City Hall

Salary, \$2,500. Residence, 356 Manchester street. Also clerk of all committees of the board of aldermen.

Clerks.

Eva G. Jones

Malvina B. Levesque

City Auditor.

James E. Dodge.....Office, City Hall

Salary, \$2,000. Residence, 2454 Elm street.

Clerk.

Lizzie M. Cogswell.

City Treasurer.

Fred L. Allen.....Office, City Hall

Salary, \$2,000. Residence, 567 Beech street.

Clerk.

Florence H. James.

Collector of Taxes.

Victor W. Roy.....Office, City Hall

Salary, \$2,000. Residence, 104 Sagamore street.

Clerk.

Mabel L. How.

Deputy Collector of Taxes.

Edwin C. Paul
Abraham S. Rich

*Albert J. Peloquin
Albert A. Halde

Salary, \$1,000.

City Solicitor.

Charles D. Barnard.....Office, Amoskeag Bank Building

Salary, \$1,200. Residence, 518 Manchester street.

City Messenger.

James R. Ferson.....Office, City Hall

Salary, \$1,200. Residence, 38 Everett street.

City Physician.

H. Scott Pattee.....Residence, 220 Prospect street
Office, 967 Elm street

Salary, \$1,200.

City Weigher.

Alfred E. Morse.....Office, city scales, Franklin street

Salary, \$600 per annum; all fees for weighing returned monthly to city treasurer with sworn statement.

*Resigned, and Albert A. Halde elected to vacancy.

Sealer of Weights and Measures.

Alvin G. Bean, 246 Massabesic street.

Salary, \$1,350 per year and \$150 per year for horse hire.

Engineer.

Samuel J. Lord.....Office, City Hall

Salary, \$3,000. (Chosen by board of public works, April, 1911; term six years.)

ENGINEER'S ASSISTANTS.

George W. Wales.

Harrie M. Young.

Alfred T. Dodge.

Henry T. Worthen.

Harold M. Haskell.

Frank D. Carr.

Henry F. Bailey.

David S. Keith.

John J. McAllister.

Water Commissioners.

Office at court house, corner Franklin and West Merrimack streets.
Telephone at office and pumping station.

The Mayor, *ex officio*.

Charles H. Manning, chairman. Term expires January, 1919.

Walter G. Africa. Term expires January, 1917.

Edgar J. Knowlton. Term expires January, 1922.

Charles M. Floyd. Term expires January, 1920.

Perry H. Dow. Term expires January, 1921.

Arthur M. Heard. Term expires January, 1918.

Clerk of Board of Water Commissioners.

Edgar J. Knowlton.....Office, Court House, Franklin Street

Chosen by Water Commissioners annually.

Superintendent of Water-Works.

James H. Mendell.....Office, Court House, Franklin Street

Salary, \$3,000. Chosen by Water Commissioners annually. Residence, 1019 Union street.

CITY OFFICERS.

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Water Registrar.

John L. Wade.....Office, Court House, Franklin Street

Engineer at Old Pumping Station.

Jerome J. Lovering.

Engineer at New Pumping Station.

Samuel McDonald.

Police Court.

Charles A. Perkins, justice.

Arthur S. Healy, associate justice.

Robert C. Laing, clerk.

John R. McLane, probation officer.

Police Commissioners.

Frank W. Sargeant, chairman. Term expires September 1, 1917.

Frederick W. Shontell, clerk. Term expires September 1, 1915.

Oscar F. Moreau, clerk. Term expires September 1, 1918.

*Almus W. Morse. Term expires September 1, 1916.

Thomas B. Donnelly. Term expires September 1, 1919.

Appointed by the Governor for a term of three years.

Chief of Police.

Michael J. Healy.....Office at Police Station

Salary, \$3,000. Residence, 304 Central street.

Appointed by Commissioners.

Deputy Chief of Police.

John M. East.....Office at Police Station

Salary, \$1,800. Residence, 421 East High street.

Appointed by Commissioners.

Captain of the Watch.

James J. Hampston. Salary, \$3.50 per day. Residence, 372 Lowell street.

*Died.

Sergeants.

John F. Cassidy. Salary, \$3.25 per day. Residence, 569 Hanover street.

William F. Foye. Salary, \$3.25 per day. Residence, 374 Spruce street.

John J. Lynch. Salary, \$3.25 per day. Residence, 1436 Elm street.

Martin W. Rourke. Salary, \$3.25 per day. Residence, 360 Manchester street.

Albert C. Robitaille. Salary, \$3.25 per day. Residence, 589 Montgomery street.

Inspectors.

Clifton B. Hildreth. Salary, \$3.25 per day. Residence, 68 Webster street.

William M. Moher. Salary, \$3.25 per day. Residence, 10 Cartier street.

Charles R. Healy. Salary, \$3.25 per day. Residence, 288 Bridge street.

Electrician.

Edward H. McQuaid. Salary, \$3.25 per day. Residence, 412 Cedar street.

Clerk and Stenographer.

John F. Griffin. Salary, \$3.25 per day. Residence, 868 Union street.

Night Clerk.

Alfred F. Eaton. Residence, 252 Walnut street.

Matron.

Miss A. B. Brown. Salary, \$425 per annum. Residence at station.

School Committee.

Chosen at the election in December, 1915, mayor member *ex officio*. The board of school committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the purchase of free text-books and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is \$25 each per year.

Harry W. Spaulding, Mayor, *ex officio*, chairman.
 Ward 1. George A. Dickey, 15 Appleton street.
 Ward 2. Allan M. Wilson, 293 Myrtle street.
 Ward 3. George M. Watson, 17 Oak street.
 Ward 4. Edward H. Currier, 488 Manchester street.
 Ward 5. Frank X. Carroll, 106 Lake avenue.
 Ward 6. Winfield S. Sanborn, 735 Hanover street.
 Ward 7. Francis J. Hurley, 263 Green street.
 Ward 8. Percy J. Callaghan, 1016 Hayward street.
 Ward 9. Frank R. Vose, 87 West Merrimack street.
 Ward 10. Ned T. Wallace, 109 Riddle street.
 Ward 11. Ora W. Craig, 102 North Main street.
 Ward 12. Lucien J. Martin, 30 Putnam street.
 Ward 13. Gaston Fredette, 129 Alsace street.
 Charles H. Martel, clerk of the board.

Superintendent of Schools.

Charles W. Bickford.....Residence, 1077 Union Street
 Herbert F. Taylor.....Residence, 345 Walnut Street

Superintendent's Clerk.

Marcia R. Winship.*
 Frances Abbott.**

Truant Officer.

Curtis W. Davis.....Office, City Hall

Assistant Truant Officer.

Harry J. Woods.....Office, City Hall

Clerk for Truant Officers.

Alexander J. Demers.

Assessors.

Joseph O. Tremblay, chairman. Term expires January, 1921.
 Joseph H. Geisel. Term expires January, 1917.
 William P. Farmer. Term expires January, 1919.
 Office, City Hall.

Salary, \$2,000.

*Resigned. Vacancy temporarily filled by Fannie L. Sanborn.
 **Elected to fill vacancy.

Clerks.

Arthur W. Rowell

Harry J. Briggs

Overseer of the Poor.

Joseph L. Boudreau.....Office, City Hall
 Residence, 131 Orange street
 Salary, \$1,500 per annum.

Clerk.

Juliette E. Melancon. Salary, \$660 per annum.

Board of Health.

One member appointed by the Mayor annually in the month of January. Salary, \$380 each per annum. Office, Court House, West Merimack street, corner of Franklin street.

Timothy F. O'Connor, president. Term expires first Monday in February, 1917.

William K. Robbins, clerk. Term expires first Monday in February, 1919.

Emil Sylvain, M. D. Term expires first Monday in February, 1918.

Office Clerk.

M. Alma Fracker.

Health Officer.

Robert N. Hoyt.

Inspectors.

William B. Blake, sanitary.

Joseph X. Duval, sanitary.

John F. Looney sanitary.

Carl O. Seaman, plumbing and milk.

Fire Department.**Chief Engineer.**

Thomas W. Lane.....Office, Central Station, Vine street
Residence, 1937 Elm street

Deputy Chief Engineers.

Charles H. French.....Office, Central Station, Vine street
Edwin W. Merrill.....Office, Engine 2, Main street

Clerk.

Edwin W. Merrill.

Superintendent of Fire-Alarm Telegraph.

John E. Rogers.

Elected by Board of Fire Engineers.

Trustees of City Library.

(Law of 1854, chapter 1588. See contract with Manchester Athenaeum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor and president of common council, *ex officio*.

*Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1916.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1921.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1920.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1919.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1918.

William P. Farmer, Candia road. Term expires October 1, 1917.

Edwin F. Jones, 15 High street. Term expires October 1, 1922.

Harry W. Spaulding, *ex officio*.

Edwin F. Jones, clerk.

*Re-elected.

Old City Library.

Franklin street, corner of Dean avenue.

Carpenter Memorial Library.

Pine street, between Concord and Amherst streets, facing Concord Common. Open from 9 A. M. to 9 P. M. Sundays, 1.30 P. M. to 6 P. M.

Librarian.

F. Mabel Winchell, 593 Union street. Salary, \$1,200 annually. Elected by the trustees of library.

Board of Public Works.

Harry W. Spaulding, mayor.

William McElroy. Term expires April, 1918.

Charles F. Read. Term expires April, 1920.

Harry W. Spaulding, chairman.

Samuel J. Lord, clerk.

Two members elected by board of mayor and aldermen, in April, for a term of six years.

Engineer of Board.

Samuel J. Lord. Term expires April, 1917.

Elected by board of public works for a term of six years.

Trustees of Cemeteries

Two trustees elected by board of aldermen in January, annually, for the term of four years. Sub-trustees appointed by board of trustees.

Edwin F. Jones. Term expires January, 1920.

Harrie M. Young. Term expires January, 1920.

Frank C. Livingston. Term expires January, 1917.

Johann A. Graf. Term expires January, 1917.

Charles F. Read. Term expires January, 1918.

William H. Morgan. Term expires January, 1918.

William H. Maxwell. Term expires January, 1919.

Charles E. Stearns. Term expires January, 1919.

Sub-Trustees of Cemeteries.

PINE GROVE CEMETERY.

Alderman Clough, chairman; Alderman Garmon, Messrs. Graf, Jones, and Young. Edwin F. Jones, clerk.

VALLEY CEMETERY.

Alderman Bennett, chairman; Alderman Cox, Messrs. Read, Livingston and Morgan. Frank C. Livingston, clerk.

AMOSKEAG CEMETERY.

Alderman French, chairman; Messrs. Stearns and Maxwell. William H. Maxwell, clerk.

TRUSTEES OF CEMETERY FUNDS.

Elected by the board of mayor and aldermen in the month of September for a term of ten years.

Norwin S. Bean, clerk. Term expires January, 1920.

Charles H. Anderson. Term expires January, 1925.

Harry W. Spaulding, *ex officio*, chairman.

Fred L. Allen, Treasurer.

SUPERINTENDENT OF PINE GROVE CEMETERY.

John H. Erskine. Office and residence at the cemetery.

SUPERINTENDENT OF VALLEY CEMETERY.

Eugene C. Smith. Office at the cemetery; residence, 272 Mast street.

SUPERINTENDENT OF AMOSKEAG CEMETERY.

George C. Harwood. Residence, Amoskeag.

Superintendent of Public Buildings and Inspector of Buildings.

Created by chapter 284 of the Session Laws of 1911. Elected in the month of April by board of aldermen for a term of four years. Salary, \$2,000, and \$200 for traveling expenses.

James A. Rogers. Term expires April, 1919.....Office, City Hall

Inspector's Assistant.

J. B. Lariviere.....Inspector's Office, City Hall

Inspector of Oil.

Martin Moll, 45 Barr street.

Paid by fees, $\frac{1}{4}$ of one per cent per gallon.

Board of Examiners of Plumbers.

*William K. Robbins, president. Term expires November 1, 1916.

Samuel J. Lord, clerk, *ex officio*.

Edward C. Corey. Term expires November 1, 1919.

Appointed by mayor.

*Reappointed.

Sinking Fund Commissioners.

Harry W. Spaulding, chairman.

Fred L. Allen, clerk and treasurer.

Charles H. Manning.

Registrars of Voters.

Charles B. Tucker. Term expires April, 1918.

Alfred Forant. Term expires April, 1917.

*Edward J. Flanagan. Term expires April, 1916.

Alfred Forant, chairman.

Charles B. Tucker, clerk.

*Reappointed.

Selectmen.

Salary \$40.00, payable at expiration of term.

WARD 1.

Charles B. Bodwell.

Edward C. Smith.

Joseph D. Royer.

WARD 2.

Frank J. Abbott.

Samuel W. Shepard.

James R. Mason

WARD 3.

Willie F. Bean.

Carl A. Peterson.

Amedee Beliveau.

WARD 4.

Herman B. Neal.

Frederick N. Walker.

Shirley E. Worthen.

WARD 5.

William B. Egan.

John F. Kelley.

Peter J. Magan.

WARD 6.

Arthur E. Wiggin.

Carl S. Youngquist.

Schuyler W. Young.

WARD 7.

Joseph E. Demers.

Thomas J. Walsh.

Timothy F. Linehan.

WARD 8.

Thomas S. Bergeron.

David G. Ramsey.

Clarence H. Knowles.

WARD 9.

Elmer H. Berglund.

Matthew H. Whalley.

William G. Patterson.

WARD 10.

Henry Weber.

William Major.

Charles A. Newell.

WARD 11.

Frank H. Cadwell.

Edward J. Lynch, Jr.

John Brunner.

WARD 12.

Joseph Goupil.

Alfred J. Demers.

Patrick D. Lynch.

WARD 13.

John St. Cyr.

Pierre Lallier.

Zotique E. Lemire.

Moderators.

Ward 1. William B. Burpee.

Ward 2. Harry T. Lord.

Ward 3. William E. Felch.

Ward 4. Albert E. Blanchard.

Ward 5. Martin E. Sullivan.

Ward 6. Andrew Bunton.

Ward 7. Joseph O. Goudette.

Ward 8. George J. Lavigne.

Ward 9. Herbert E. Richardson.

Ward 10. Eben Wheeden.

Ward 11. George W. Cheney.

Ward 12. Frank J. Hamel.

Ward 13. Joseph Montplaisir.

Salary, \$25.00, payable at expiration of term.

Ward Clerks.

Ward 1. Frederick S. Nutting.

Ward 2. Darwin J. Forsaith.

Ward 3. George W. Prescott.

Ward 4. Henry A. Worthen.

Ward 5. Martin L. Mahoney.

Ward 6. Joseph A. Tremblay.

Ward 7. Stephen D. French.

Ward 8. Charles A. O'Connor.

Ward 9. Donald McIntire.

Ward 10. Myron Johnson.

Ward 11. Emile L. Masse.

Ward 12. August Messier.

Ward 13. Ludger D. Dancosé.

Salary, \$50.00, payable at expiration of term.

MAYOR'S INAUGURAL ADDRESS.

MAYOR'S INAUGURAL ADDRESS.

Gentlemen of the City Government:

One year ago several suggestions and recommendations were made in my inaugural advocating certain amendments to our city charter, which I believed would make the general conduct of our municipal affairs more business-like and our city government more efficient. After a year's experience I am convinced that the changes already adopted will prove a benefit to the people and will greatly aid the administration in carrying into effect some of the things to which our citizens are justly entitled.

The Board of Common Council has been abolished, an act which I believe meets with general approval; and the bringing together of all the legislative functions of city government into one board, so far as possible under our present charter, should prove a long step towards the attainment of that efficiency in city affairs which we are all seeking.

The powers of the mayor have been somewhat enlarged, giving him the right to define the scope of city departments, thus preventing any question or dispute between departments as to which should do a particular piece of work; and also the right to prevent the increase of salaries or the making of contracts penalizing the city before any appropriation has been made. These changes have been adopted in order to secure a better and more economical administration of public affairs and to produce that concentration of authority and centralization of power that is so much needed. Responsibility, both for acts of commission and omission, will be easily determined and fixed, as you must agree it should be; and the failure, refusal or neglect of city officials and city departments to faithfully perform their duties in the interest of the people will not be excused on the ground that responsibility rests upon another or because of lack of any responsibility. In other words, no city department should be allowed to escape the consequences of its acts, but at the same time should be entitled to receive the credit for the good it accomplishes.

The day of divided authority, large and cumbersome administrative bodies, departments without a head and irresponsible executive officials has gone by. In order to secure the best results and a properly managed city government, authority and responsibility should be focused in the hands of a few, who should be directly chargeable with the conduct of all, and every means of escaping therefrom should be precluded.

I admit that everything along this line has not been accomplished, although an honest effort has been made to carry into effect every promise that was made one year ago. With the coöperation of the members of our new city government and those taxpayers who have the welfare of our city at heart, much that still remains undone can be enacted into law or put into practice. After a fair trial of the system under which we shall conduct our business this year, other changes and ideas of improvement may present themselves and we should ever be alive to profit by mistakes. Such matters as may come to our attention during the next two years should be handled with care and the new problems met and solved with the sole idea of improving our city and benefiting our people.

DEPARTMENTAL AFFAIRS.

I will discuss as briefly as possible the result of some of my observations concerning a few of our most important departments. It is a well-known fact that the power of the mayor has always been confined within a very small compass, and while it was somewhat increased by the last législature, still I believe it should be further extended, giving him more specific authority in every city department, so that he will constantly be in close touch with all the affairs of the city. Complaints of varied descriptions are lodged with him, but his authority to correct an abuse or to intervene in the actual operation of departmental affairs is so limited that in many cases I believe he is justified in disclaiming any knowledge or liability. Such a state of affairs should not exist, and if necessary, changes correcting these errors should be made by legislative enactment. More real authority should be conferred upon the mayor, particularly in relation to financial matters and the expenditure of appropriations. The latter I will discuss under another topic, while some of the other proposed changes, that in my judgment are needed, will be submitted to the city government more in detail in a later message.

BOARD OF PUBLIC WORKS.

This department has the expenditure of a large sum of money. Four great divisions come under its supervision, including highways, sewers, street cleaning, parks and commons. The demands for public improvements of almost every kind are increasing rapidly each year. Many of these ought to be made and the rights of the people to these benefits should be respected and granted so far as the city is able. Unnecessary delay in making public improvements by this department should not be permitted, and waste and extravagance of any kind should not be tolerated. The work should be done expeditiously and in the most economical manner possible, consistent with sound business sense.

Much work of a permanent nature has been accomplished during the past year and still a vast amount remains to be done. The first general attempt to improve the condition of our sidewalks was undertaken last year, and while considerable progress was made, the work must be continued. I also believe that recommendations and specific appropriations made by the appropriating body should be carried out by this department whenever possible.

One year ago I advocated certain changes in the law creating this board and from my one year's experience have found no occasion to change my mind. The mayor, by virtue of his office, is chairman of this board, although he has no voice in the selection of its membership. He is a minority member and his efforts for the accomplishment of needed benefits may be nullified, although he must answer to the people for the conduct or misconduct of its affairs. This, in my judgment, is not a wise provision of the law. Either the mayor should be given power commensurate with the responsibility that has been placed at his door by the public, so that he may be justly chargeable with what the Board of Public Works fails to do and credited with what it accomplishes, or he should be relieved from any participation in the actual conduct of its business, having only such supervision over its actions as he ought to have over every other department, together with such authority in financial matters as I believe should be vested in the mayor.

BOARD OF HEALTH.

The increasing importance of this department is not fully appreciated by the public. During the year 1916 the new City Hospital will be completed. The control of this institution may devolve upon this body, thus adding to its responsibilities and enlarging the scope of its activities. Its duties in protecting the health of the community and caring for those who have fallen prey to disease are of the utmost importance to the welfare of our city. It calls for the employment of labor skilled in that particular line of endeavor. The duties contemplated under the act creating this board are becoming so varied and so involved that I believe the time is near at hand when a change should be made. In place of the present Board of Health one Health Commissioner should be appointed by the mayor, with authority to perfect and manage its entire organization.

FIRE DEPARTMENT.

For many years this department has been used as a political football. Authority in its management and control, under the law, is divided, and harmony has not always prevailed. This lack of concentrated authority has had its effect upon the morale of the department. In my first inaugural I stated that the conditions then existing

should be thoroughly investigated, with the sole object of making this department more efficient. All friction should cease. Some progress toward the desired end has been made, but I am firmly convinced that a more radical change is needed. Political expediency should have no place in this or any other city department.

I believe that the real solution of this much discussed problem will not be found until provision is made for the appointment of a fire commissioner for a term of six years under proper safeguards. The commissioner should be clothed with sufficient authority to enable him to have entire charge of its business and administrative activities, with power to appoint during good behavior the officials and members of the department. This would obviate political interference and place the department upon a business-like and permanent basis. The result of such a change would prove beneficial not only to the city but to the department. I urge the most serious consideration of this subject upon the members of this city government, in hopes that such a law may be enacted by the next legislature.

POLICE DEPARTMENT.

Our police department is upon a sound basis and under excellent management. A law embodying some of the features contained in the act creating this department should be applicable to and cover the suggestions just made relative to the improvement of our fire department. At the present time the total membership of the police department is but seventy-five, leaving only fifty-four available for patrol duty. This number, in my opinion, is inadequate to properly protect the property and safeguard the interests of our people, and I hope that a sufficient appropriation will be made to allow for a substantial increase in the patrolling force. The annex to the police station has been completed and accepted and the headquarters are now ample for many years to come. It is a modern station, a credit to our city, and offers the facilities for still further development of an already efficient department.

SCHOOL DEPARTMENT.

The importance and value of a good school system cannot be too seriously regarded. The proper education of our children is most essential. Our citizens ought to take a keener interest in this vital subject. The public should avail themselves of every opportunity that is presented for closer study into the needs of our city in this direction. During the last decade there has been a big increase in the number of pupils and we must keep pace with this growth and provide adequate educational facilities for these young people even though it becomes necessary for us to curtail in some other field.

We will be called upon this year to face a school problem that not only presents the necessity of more and larger school buildings, but

also the necessity of providing the means of a more thorough training of our boys and girls. The usefulness of the High School should be enlarged and the opportunities for practical training in our elementary schools greatly increased. The best and wisest solution of the various questions now confronting us requires the most serious consideration on the part of the members of the school board and the board of mayor and aldermen and should attract the attention, support and coöperation of the press and public.

The changes advocated one year ago for the purpose of improving the school situation and with the idea of erasing all friction in the school board have been adopted and have achieved the desired result.

Sub-committees have been abolished and the active management of our schools placed in the hands of the superintendent. Larger powers were granted to him and the result speaks for itself.

The congested condition of our schools is the serious question that now confronts us and we should approach its solution with a firm determination that a remedy must be found and speedily brought to a head. Unnecessary procrastination in relation to this matter in the recent past has only added to the seriousness of the situation that faces us today. Additions now being made to three of our school-houses will relieve to some extent the overcrowded condition in our elementary schools. The necessity of increased facilities at the Bakersville School must be apparent to every one and I earnestly appeal to the Board of Mayor and Aldermen to speedily provide a sufficient appropriation to carry out the plans already adopted and advocated by the School Board.

The two-session plan has provided some relief at the High School, but owing to the phenomenal increase of pupils during the last twelve or fifteen months the situation is growing more acute from year to year and it is highly important that something more than the passing of recommendations and the holding of discussions be done to meet its pressing needs. A beginning can be made at once by securing a site. Just what should be provided in the way of a building or buildings warrants careful investigation and earnest consideration at the earliest possible time. The present temper of the people will not tolerate useless delays caused by political considerations and you will not be called upon during your term of office to perform a greater service to the people of Manchester than to meet and solve this problem.

I want to call your attention to the annual report of the superintendent of schools just submitted and invite your careful study of its many excellent recommendations. Before the final appropriations are made I hope that every member of the board will read this report. I feel sure it will aid you in reaching the wisest conclusion in regard to the needs of our public schools. I will not attempt at this time to even outline the more important features contained in this report because I believe the importance of this subject warrants a special message in the near future. Such facts and figures as may be then presented I am sure will prove interesting and instructive to every one.

FINANCIAL AFFAIRS.

This subject requires careful thought and is one that deeply concerns your mayor. It reaches into every department and requires discretion on the part of every city official. I believe some changes should be made in our law relating to municipal finances, and the method of transacting our business from a financial standpoint, somewhat altered. The budget system, so called, of appropriating money is in vogue in this city, and I believe it best adapted for any municipality. Some checks and modifications may improve it.

After the annual budget has been passed and the tax rate fixed, no more appropriations should be made during the fiscal year except by the issuance of serial bonds. We should no longer issue bonds requiring the establishment of a sinking fund because it necessitates the investment and reinvestment of large sums of money with all the hazards connected therewith. The serial bond provides for the annual reduction of the bonded indebtedness and is a safer and more economical way of doing business. In any event, municipal bonds ought not to be issued except for permanent improvements that will be available for the use of the people during a period of years, at least as long as the life of the bond issue.

The authorizing of temporary loans during the fiscal year except in anticipation of taxes, mortgages the future and places an unfair burden upon each succeeding budget. After the annual budget was passed in 1915 the Board of Common Council authorized the making of temporary loans for various purposes to the sum of twenty-five thousand dollars. This was in excess of the amount to be raised by taxation during that year and unless we are able to find other sources of revenue, we must provide for the payment of these notes in this year's budget, thus reducing the amount that will be available for the use of the different city departments this year. I believe that we can remedy this fault. Emergencies may arise during the year that could not possibly have been foreseen and unusual expenditures might cause some department to become crippled if no provision for relief were made. The cost of meeting such contingencies during the year should not be forced upon the future. I believe the expense thereof can be provided for in the budget each year by making an appropriation to be known as "money unappropriated." This sum should become available only upon requisition of the mayor for the use of such departments as are deserving and to provide for unexpected situations. It should be under the sole and direct supervision of the mayor, otherwise the object that it seeks to obtain will be defeated and we would soon find ourselves obligating the future. This plan is in operation in several other New England cities and from investigation I find that it is most satisfactory. The details I will discuss with the board later.

While our present law provides that no city official or department may legally exceed its appropriation, it does not necessarily follow that

no unwise and unnecessary expenditure of money is authorized or made. That all unnecessary extravagance should be reduced to a minimum and responsibility placed where it belongs, the mayor should be vested with the power of absolute veto in all matters relating to finances and the expenditure of money. I am convinced that this power would prove a benefit to our taxpayers.

So many public improvements are constantly being demanded, such as new streets, sewers, sidewalks, etc., that the sum of money that can be raised by taxation in any one year is not sufficient to pay for the same. Because all these desired improvements cannot be made in one year, sound judgment and good tact are required to decide upon those most needed. More improvements could be made if a just and equitable manner of assessing the cost could be devised. I believe the enactment of a law providing for what is commonly called a betterment tax would greatly aid in solving this much vexed question and in my judgment would be the best way to meet the expense of the same without entailing any undue or unfair hardship. Under such a plan the original cost would be assessed against those who would derive the most benefit, and who are directly interested in the completion of the proposed improvement. The cost of maintenance thereafter should be borne equally by all. The details involved in framing such an act may properly be discussed at a later day, but the proposition contains much merit and I believe our city should be empowered to give it a fair trial. This method of taxation is in operation in many other cities and gives general satisfaction.

About six per cent of the money raised annually is used to pay interest charges and nearly as much more is required for our various sinking funds. A special tax to be levied over a series of years for the specific purpose of reducing our bonded indebtedness, thus decreasing our interest charges, is a subject I bring to you for consideration and if some practical plan can be devised that will not cause any undue burden to our taxpayers, I believe our city government may well recommend its passage by the legislature.

The reduction of fixed charges in our expense account, wherever possible, and the elimination of all useless and unnecessary appropriations offers the opportunity to inaugurate a new era in the administration of city affairs that will redound to our credit and reflect its good influence upon those who are entrusted with the expenditure of the city's money.

The suggestion made by the superintendent of schools that a certain sum of money should be annually laid aside for the purpose of building new schoolhouses, is one that I urge upon you for consideration this year. Until such fund becomes ample to keep pace with the increasing needs of our school department I am of the opinion that the exemption of school bonds in fixing the debt limit of our city would be a wise measure. In the near future I shall submit to you a statement of our municipal finances that may possibly be of some assistance in your deliberations over the annual appropriations.

IN GENERAL.

As a general proposition, our city government is well regulated. Not a suspicion of dishonesty rests upon any city official. In fact it has been free from all insinuations impugning the motives of any of our public servants. After considerable study, investigation, and some experience gained during my short term of office, I desire to call your attention to the following matters.

It is now the custom for the new Board of Mayor and Aldermen, some of whom may be for the first time assuming their duties, on the very day of the taking of the oath of office, and in many instances without previous experience, to proceed with the election of city officials. I believe this method could be improved by providing for the election of city officials at the beginning of the second year. After a year's experience and association together, not only would the members of the board, in my judgment, be better qualified to act in the important matter of selecting our city officials but such elections would be free from the aftermath of any recent political campaign.

For a number of years an appropriation has been made to provide for the wholesome and intelligent recreation of our children during the summer months. These municipal playgrounds are a great asset to the city and the cost of maintenance is very small. I believe this good work might well be extended in other directions and provision made for the establishment of one or more winter playgrounds or places where our children could enjoy winter sports with safety and under proper supervision.

The development of a proposed reservation and parkway along Cemetery Brook, so called, is a matter that ought to be taken up in earnest during the year and some definite plans formulated. If properly laid out and developed, it would add to the efficiency of an inadequate sewer system in that particular section of the city, would enhance the value and attractiveness of the surrounding property, and add to the beauty of our present park system.

This and other similar improvements deserve the attention of the new committee on city planning. I think this committee has the opportunity to perform a real service for the city. It should have in mind the future needs and welfare of our people, and by proposing plans and making suggestions for city building, touching upon the aesthetic as well as the practical side of every phase of city development, can accomplish much good. Let the start be made before it is too late or the expense to be incurred becomes too great.

I hope it will be possible to awaken a new interest among our citizens in municipal affairs. Too often the public feel that their duty to the city is ended on election day. This is not true. I invite public attention to all city affairs and at all times an expression from the people should be welcomed by every city official. Many times civic pride manifests itself only after the damage has been done. The

present is the best time for our property owners, taxpayers and all citizens who believe in our city and its future to inform themselves upon public affairs. If I am able to stimulate a new desire among our people to pay more attention to and take a deeper interest in the proceedings of the city government and all matters relating to municipal affairs and to drive away that apparent apathy that now seems to pervade the community, I will feel that some good has been accomplished.

It has been realized for some time that our present city hall is inadequate to properly provide accommodations for the city departments. During the last few years several plans have been proposed and attempts made to enlarge or remodel it. Two or three years ago a resolution favoring the building of an annex was passed by the board of mayor and aldermen, but the common council failed to make an appropriation, owing to the stringency of the money market. Now seems to be a proper time to again bring this matter to your attention. The duties devolving upon our city officials are rapidly increasing, and will continue to increase so long as the city grows and prospers. Many of the departments have not sufficient room in which to perform their work. Already tentative plans have been formulated that I desire to submit to you at an early date. I hope something along this line will be done without unnecessary delay.

CONCLUSION.

The devolution of new duties upon the members of the Board of Mayor and Aldermen for the first time in the history of our city compels the assumption of a deep responsibility that I caution you to ever bear in mind. The realization of the fact that we shall be asked for a strict accounting will, I trust, prove an incentive for us all to exert our best efforts. Let us then strive to accomplish all that is best, that we may be rewarded with the knowledge that our work has been well done.

REPORT OF THE CITY AUDITOR.

REPORT OF THE CITY AUDITOR.

To the Board of Mayor and Aldermen:

GENTLEMEN—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1916, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,

JAMES E. DODGE,
City Auditor.

Report of the City Treasurer for the Year 1916.

DEBIT.

Temporary loans in anticipation of taxes, 1916:

Strafford National Bank, Dover, N. H.....	\$200,000.00	
Lee, Higginson & Co.....	200,000.00	
Manchester Safety Deposit & Trust Co....	100,000.00	
		\$500,000.00
Premium received		3.26

Trustees of sinking fund:

For the payment of Improvement Bonds maturing April 1, 1916.....	\$100,000.00	
For the payment of School Bonds maturing July 1, 1916.....	40,000.00	
		140,000.00

Sale of bonds and notes:

Baker, Ayling & Young, 100-4% Streets & Sewers Bonds in denomination of \$1,000 each	\$100,000.00	
Baker, Ayling & Young, 100-4% School Bonds in denomination of \$1,000 each..	100,000.00	
Accrued interest	200.00	
Premium at 104.13.....	8,260.00	
		208,460.00

Trustees of Sinking Fund, City of Manchester 3½%		
Notes, issued Dec. 30, 1916; payable \$3,000 on Dec.		
30, 1917; \$10,000 on Dec. 30, 1918; \$10,000 on Dec. 30,		
1919, at par		23,000.00
State of New Hampshire:		
Insurance tax	\$5,058.75	
Railroad tax	50,581.97	
Savings bank tax.....	107,603.97	
Literary fund	5,242.62	
	<hr/>	168,487.31
N. H. Board of Excise Commissioners:		
Balance of license fees 1915.....	\$3,102.27	
Licenses, 1916	53,288.50	
	<hr/>	56,390.77
Arthur W. Phinney, city clerk:		
Dog licenses	\$2,976.75	
Sewer licenses	2,570.15	
Rent of tenement.....	53.32	
Show licenses	1,689.33	
Junk dealers' licenses.....	410.00	
Job team licenses.....	56.10	
Employment bureau licenses.....	34.00	
Billiard, pool and bowling licenses.....	2,268.97	
Roller skating licenses.....	147.50	
Dance hall licenses.....	317.00	
Public convenience station.....	275.39	
Rent of battery building.....	220.00	
Bottle washing	5.00	
Primary candidacy fees.....	238.00	
Fees, intention of marriage.....	749.00	
mortgages	307.17	
conditional sales	131.70	
corporations	31.00	
miscellaneous records	98.00	
writs	6.50	
assignment of wages.....	10.40	
partnerships	7.50	
discharges	70.25	
	<hr/>	12,673.03
Municipal police court:		
Rober C. Laing, clerk.....		3,010.68
Pine Grove Cemetery:		
J. H. Erskine, superintendent, care of lots	\$11,185.20	
Fred L. Allen, treasurer, sale of lots.....	3,337.79	
	<hr/>	14,522.99

Merrill Cemetery:

J. H. Erskine, superintendent, care of lots.....	\$76.00
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Valley Cemetery:

E. C. Smith, superintendent, care of lots..	\$2,112.16
Fred L. Allen, treasurer, sale of path.....	15.00
	<hr/> 2,127.16

City Scales:

Alfred E. Morse.....	441.52
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Board of Health:

Milk licenses	\$504.50
Board of patients at Isolation Hospital....	211.79
	<hr/> 716.29

Interest on bank deposits:

Merchants National Bank.....	\$3,523.52
Victor W. Roy, collector.....	1,021.87
	<hr/> 4,545.39

School Department:

C. W. Bickford, superintendent, tuition....	\$1,606.73
Free text-books	135.83
Evening school forfeitures.....	104.30
H. F. Taylor, superintendent, tuition.....	778.30
Free text-books	2.70
	<hr/> 2,627.86

Board of Public Works:

Manchester Traction, Light & Power Co....	\$974.17
Manchester Street Railway.....	9,620.44
Manchester Street Railway, Elm street bridge	2,500.00
B. & M. R. R., Elm street bridge.....	17,146.78
State of New Hampshire.....	13,901.52
Henry W. Parker.....	2,101.03
Peoples Gas Light Co.....	346.31
Amoskeag Manufacturing Co.....	3,542.89
Miscellaneous	4,092.14
	<hr/> 54,225.28

Miscellaneous receipts:

W. M. Parker, treasurer Suncook Valley R. R., dividend on 500 shares railroad stock (1½% Jan. 1, 1916, and July 1, 1916)	\$1,500.00
Board Public Works, garbage licenses....	76.50
N. E. Telephone & Telegraph Co., commis- sion on tolls, public telephone.....	2.60
A. G. Bean, sealer weights and measures, old junk sold to Amoskeag Iron & Metal Co.	5.40

Cavanaugh Bros., sale two wagons, fire department	\$48.60	
Ambrose Hamelin, sale of lot 23, Glenwood	50.62	
Charles D. Barnard, City Solicitor, service of mortgagees' notices received from the tax collector	29.60	
Board of Examiners of Plumbers, plumbers' licenses	86.00	
Committee on City Planning, sale of 14 Norway maple trees.....	7.00	
James A. Rogers, superintendent of buildings, commission received from sale of bronze tablet to police department.....	7.20	
Overdrafts:		
Raiche & Prince, health department.....	2.40	
Talbot Dyewood & Chemical Co., fire department	12.00	
George D. Fitts, care of rooms.....	5.00	
John B. Varick Co., building department	4.90	
		\$1,837.82
Tax Department, Victor W. Roy, collector:		
Taxes, 1916	\$1,125,000.00	
Taxes, 1915	85,371.80	
Redemption of land sold for taxes.....	1,800.48	
Fees for advertising tax sale of 1915.....	355.00	
Fees for recording redemptions to June 1, 1916	31.75	
Interest on taxes to June 1, 1916.....	2,437.00	
Costs on taxes to June 1, 1916.....	2,361.60	
Old taxes, costs and interest.....	1,640.12	
Voluntary taxes, 1913 and 1914.....	19.04	
		1,219,016.79
Water Department:		
J. H. Mendell, superintendent.....		164,505.03
Building Department:		
James A. Rogers, superintendent.....		769.89
Receipts for the year.....	\$2,577,437.07	
Cash on hand January 1, 1916.....	262,124.55	
Unpaid bills December 30, 1916.....	54,417.91	
		\$2,893,979.53

CREDIT.

Total drafts for the year.....	\$2,602,625.57
Unpaid bills January 1, 1916.....	53,837.53
Cash on hand December 30, 1916.....	237,516.43
	<hr/>
	\$2,893,979.53
	<hr/>

Respectfully submitted,

FRED L. ALLEN,
City Treasurer.

This is to certify that I have examined the accounts of Fred L. Allen, City Treasurer, for the year ending December 30, 1916, and find proper vouchers for all payments and all receipts duly accounted for.

The net cash on hand January 1, 1916, was.....	\$208,287.02
Receipts during the year.....	2,577,437.07

Total	\$2,785,724.09
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Amounts of drafts during the year.....	\$2,602,625.57
Net cash on hand December 30, 1916.....	183,098.52

Total	\$2,785,724.09
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Cash taken December 30, 1916, I find to be as follows:

Deposited in Merchants National Bank (City).....	\$136,724.76
Deposited in Second National Bank (Boston).....	75,429.08
Deposited in office safe, cash	\$3,684.66
Deposited in office safe, paid vouchers.....	21,677.93
	<hr/>
	25,362.59

\$237,516.43

Deduct amount of unpaid bills December 30, 1916.....	54,417.91
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Net amount of cash on hand December 30, 1916.....	\$183,098.52
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JAMES E. DODGE,
City Auditor.

STATEMENT OF THE RECEIPTS AND EXPENDITURES OF THE CITY OF MANCHESTER FOR THE YEAR 1916.

RECEIPTS.

CENTRAL DEPARTMENT.

Received from:

Direct city taxes	\$1,210,745.84	
Cost and interest on taxes	6,438.72	
		\$1,217,184.56
Licenses to enter sewer	\$2,570.15	
keep dog	2,976.75	
sell milk	504.50	
keep billiard and pool tables, lunch carts, etc.	3,238.57	
shows and exhibitions.....	1,689.33	
Fees and rents from city clerk.....	1,922.84	
		\$12,902.14

SUNDRIES.

Received from:

Board of health.....	\$211.79	
City scales	404.18	
Dividend, Suncook Railroad	1,500.00	
Fees, city solicitor and tax collector.....	61.35	
Fees, coin lock, subway comfort.....	275.39	
Miscellaneous sources	136.27	
Tuition, free text-books and fines.....	2,627.86	
		\$5,216.84

POLICE DEPARTMENT.

Received from:

Costs and fines	\$3,010.68
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PUBLIC PLACES.

Received from:

Merrill cemetery	\$76.00	
Valley cemetery	2,127.16	
Pine Grove cemetery	14,522.99	
		\$16,726.15

WATER-WORKS.

Gross receipts	\$164,505.03
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RECEIPTS AND EXPENDITURES.

37

LIQUOR LICENSES.

Received from:

State liquor commissioners for licenses.....	\$56,390.77
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MISCELLANEOUS.

Received from:

Board of public works, sale of stone, pipe, etc., and for labor	\$54,280.12
Building department, for labor and material sold	752.90
Garbage licenses	59.00
Interest	4,545.39
Land redeemed from tax sale.....	1,800.48
Overdraft	29.70
Plumbers' licenses	86.00
	<hr/>
	\$61,553.59

Total ordinary receipts during the year 1916.....	\$1,537,489.76
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DEBT.

Received from:

Sinking fund commissioners.....	\$140,000.00
Bonds sold	200,000.00
Interest and premium on bonds.....	8,460.00
	<hr/>
	\$348,460.00

TEMPORARY LOAN.

Received from:

Loan in anticipation of tax of 1916.....	\$500,000.00
Loan for land damages	23,000.00
	<hr/>
	\$523,000.00

STATE.

Received from:

Insurance taxes	\$5,058.75
Literary fund	5,242.62
Railroad taxes	50,581.97
Savings Bank taxes	107,603.97
	<hr/>
	\$168,487.31
	<hr/>
Gross receipts	\$2,577,437.07
Net cash on hand January 1, 1916.....	208,287.02
	<hr/>
	\$2,785,724.09
	<hr/>

EXPENDITURES.

CENTRAL DEPARTMENT.

Interest on city bonds	\$51,918.00	
cemetery bonds	2,875.00	
temporary loans	8,798.49	
water bonds	11,940.00	
	<hr/>	\$75,531.49
City hall	\$4,580.58	
Printing and stationery	2,150.27	
Incidental expenses	9,645.32	
Mayor's incidentals	600.00	
City officers' salaries	29,140.31	
Auditor's department	3,178.40	
Sinking fund trustees	17,885.00	
Assessors' department	12,477.54	
Building department	5,685.17	
Land sold for taxes	2,551.99	
Land taken for highways	647.19	
	<hr/>	\$88,541.77

DEPARTMENT OF PUBLIC WORKS.

Board of public works	\$15,741.32	
Snow and ice and cleaning streets	34,103.65	
Repairs of highways	106,003.74	
Street sweeping	14,579.55	
Watering streets	9,030.03	
Paving streets	20,414.82	
Macadamizing and new highways.....	69,774.40	
Scavenger service	55,487.46	
Lighting streets	56,426.11	
Bridges	13,439.26	
Elm-street bridge	31,493.80	
City teams	28,168.43	
Repairs of sewers	13,176.53	
New sewers	29,219.53	
Tannery brook sewer	7,514.40	
Repairs of sidewalks	5,296.33	
Brown-tail moth	6,864.27	
Gypsy moth	3,397.79	
Elm leaf beetle	4,811.10	
Cutting and trimming trees.....	2,818.13	
Oiling streets	14,242.38	
Flushing streets	1,905.62	
	<hr/>	\$543,908.65

ENGINEER'S DEPARTMENT.

Engineer's department	\$12,000.00
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HEALTH DEPARTMENT.

Health department	\$23,104.77
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SCHOOL DEPARTMENT.

Fuel	\$13,344.16	
Furniture and supplies	1,517.14	
Books and stationery	22.06	
Printing and advertising	699.56	
Contingent expenses	8,477.36	
Care of schoolrooms	16,397.43	
Teachers' salaries	196,606.96	
Evening schools	2,330.77	
Evening school, mechanical drawing.....	160.00	
Care of school clocks.....	250.00	
Free text-books	11,552.39	
Manual training	666.24	
Repair of school furniture	431.22	
School officials' salaries	7,628.48	
Additions to Chandler, Wilson and Maynard schools	31,158.07	
Addition to Varney schoolhouse.....	8,000.00	
Domestic science equipment, High school.....	2,592.78	
	<hr/>	\$301,834.62

CITY LIBRARY.

City library	\$18,723.39
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FIRE DEPARTMENT.

Fire department	\$146,951.07	
Fire-alarm telegraph	9,886.91	
Hydrant service	20,000.00	
	<hr/>	\$176,837.98

POLICE DEPARTMENT.

Police commission	\$96,705.25	
Police court	3,300.00	
Police station	4,013.59	
	<hr/>	\$104,018.84

PUBLIC BUILDINGS.

Massabesic hose house	\$985.71	
Repairs of public buildings.....	27,357.12	
Subway comfort	3,490.33	
Board of examiners of plumbers.....	49.53	
Care of city clocks	129.00	
Contagious hospital	48,137.34	
Bakersville schoolhouse	39,834.40	
Sprinkler system in school buildings	2,757.35	
	<hr/>	\$122,740.78

WATER-WORKS.

Water-works	\$105,399.38	
Water-works sinking fund	20,000.00	
	<hr/>	\$125,399.38

PUBLIC PLACES.

Commons	\$4,525.26	
Stark park	1,266.92	
Derryfield park	1,413.60	
Lafayette park	396.32	
Prout park	295.34	
East Side park	500.35	
West Side park	9.08	
Walker park	10,000.00	
Rock Rimmon park	52.64	
Miscellaneous playgrounds	3,050.61	
Amoskeag cemetery	229.00	
Merrill cemetery	100.00	
Pine Grove cemetery	22,500.00	
Valley cemetery	5,912.30	
	<hr/>	\$50,251.42

CHARITABLE, PATRIOTIC AND PHILANTHROPIC.

Paupers off farm	\$22,547.76
Indigent soldiers	398.00
Animal Rescue League	200.00
Annie Squire Helping Hand Society.....	200.00
District Nursing Association.....	300.00
Elliot Hospital	300.00
Girls' Club	200.00
Hospice St. Vincent de Paul	200.00
Infant Asylum	200.00
Infant Aid Association	200.00

Manchester Boys' Club.....	\$200.00	
N. H. Children's Aid and Protective Society...	200.00	
Notre Dame de Lourdes Hospital	300.00	
Notre Dame de Lourdes Girls' Orphanage.....	200.00	
Orphelinat St. Pierre.....	200.00	
Sacred Heart Hospital	300.00	
Salvation Army	200.00	
Settlement Association	200.00	
St. John's Home	200.00	
St. Joseph's Boys' Orphanage.....	200.00	
St. Patrick's Girls' Orphanage.....	200.00	
W. C. T. U. Mercy Home.....	200.00	
Women's Aid Home	300.00	
West Side Reading Room	200.00	
Young Men's Christian Association.....	200.00	
Band concerts	300.00	
Decoration of soldiers' graves.....	495.60	
Militia	1,000.00	
Setting trees	110.00	
Relief of soldiers' families.....	966.50	
		<hr/>
		\$30,917.86

Total of ordinary municipal expenditures..... \$1,673,810.95

TEMPORARY LOAN.

Temporary loan \$500,000.00

BONDED DEBT.

School bonds	\$42,000.00	
City bonds	147,000.00	
		<hr/>
		\$189,000.00

STATE AND COUNTY TAXES.

State tax	\$136,552.50	
County tax	103,262.12	
		<hr/>
		\$239,814.62

Grand total of expenditures during the year..... \$2,602,625.57

Cash on hand December 31, 1916.....	\$237,516.43	
Less unpaid bills.....	54,417.91	
		<hr/>
		183,098.52
		<hr/>
		\$2,785,724.09
		<hr/> <hr/>

Interest.

Appropriation	\$64,000.00	
Transferred from water-works account.....	11,940.00	
		<u>\$75,940.00</u>

EXPENDITURES.

Coupons on bridge bonds	\$3,600.00	
bridge and sewer bonds.....	2,860.00	
cemetery bonds	1,867.50	
cemetery refunding bonds.....	1,007.50	
city loan bonds.....	3,500.00	
destructor plant bonds.....	5,680.00	
fire-alarm bonds	3,150.00	
hospital bonds	2,820.00	
improvement bonds	8,495.00	
macadamizing and sewer bonds.	3,720.00	
municipal bonds	2,800.00	
refunding bonds	7,160.00	
school bonds	4,505.00	
street and sewer bonds.....	3,628.00	
water bonds	11,940.00	
		<u>\$66,733.00</u>
Lee, Higginson & Co., discount on notes....	\$3,126.67	
Manchester Safety Deposit & Trust Co., discount on notes.....	1,504.71	
Strafford National Bank, discount on notes..	3,899.11	
Trustees of Cemetery Fund, interest on bond	268.00	
		<u>\$8,798.49</u>
Total expenditures		<u>\$75,531.49</u>
Transferred to unappropriated money.....		408.51
		<u>\$75,940.00</u>

Payment of Funded Debt.

Appropriation	\$52,000.00	
Received from sinking fund.....	140,000.00	
		<u>\$192,000.00</u>

EXPENDITURES.

Bridge bonds	\$5,000.00	
Bridge and sewer bonds.....	5,000.00	
Cemetery refunding bonds.....	2,000.00	
Destructor plant bonds.....	5,000.00	
Fire-alarm bonds	5,000.00	
Hospital bonds	5,000.00	
Improvement bonds	105,000.00	
Macadamizing and sewer bonds.....	5,000.00	
Refunding bonds	5,000.00	
School bonds	42,000.00	
Street and sewer bonds.....	5,000.00	
		<hr/>
		\$189,000.00
		<hr/>
Total expenditures		\$189,000.00
Transferred to new account.....		3,000.00
		<hr/>
		\$192,000.00
		<hr/>

Sinking Fund.

Appropriation	\$17,885.00
	<hr/>

EXPENDITURES.

Trustees of Sinking Fund, amount appropriated.....	\$17,885.00
	<hr/>

Unappropriated Money.

RECEIPTS.

Transferred from the following accounts:

Interest	\$408.51
Printing and stationery.....	1,349.73
Incidental expenses	354.68
City officers' salaries.....	624.69
Assessors' department	22.46
Building department	49.83
Lighting streets	908.89

City library	\$276.61
Fire-alarm telegraph	759.09
Police commission	1,294.75
Police court	200.00
Subway comfort	209.67
Repairs of public buildings.....	395.78
Care of city clocks.....	21.00
Massabesic hosehouse	14.29
Setting trees	190.00
Valley cemetery	87.70
Amoskeag cemetery	71.00
Books and stationery.....	27.94
School officials' salaries.....	221.52
Care of school clocks.....	50.00
Repair of school furniture.....	68.78
Free text-books	447.61
Manual training	33.76
Evening schools	169.23
Evening school mechanical drawing.....	40.00
Additions to Chandler, Wilson and Maynard schools	4,085.70
Domestic science equipment, High school.	7.22
Paupers off farm.....	52.24
Indigent soldiers	2.00
Land sold for taxes.....	948.01
Board of examiners of plumbers.....	.47
Decoration of soldiers' graves.....	4.40
Board of public works.....	2,758.68
Macadamizing and new highways.....	21,383.41
Street sweeping	3,420.45
Elm-street bridge	18,928.15
Commons	2,974.74
Stark park	733.08
Derryfield park	586.40
Prout park	104.66
Lafayette park	1,103.68
Brown-tail moth	318.97
West Side park.....	490.92
Flushing streets	1,094.38
Winter playgrounds	1,000.00
Spraying trees	1,000.00
Free cash in treasury.....	14,173.09

\$83,468.17

TEMPORARY LOAN.

45

EXPENDITURES.

Transferred to the following accounts:

City hall	\$80.58	
Health department	1,104.77	
Fire department	207.32	
Police station	13.59	
Printing and advertising.....	199.56	
Fuel	344.16	
Contingent expenses	1,477.36	
Furniture and supplies.....	17.14	
Care of rooms.....	1,397.43	
Teachers' salaries	606.96	
Snow and ice and cleaning streets.....	11,149.16	
Repairs of highways.....	21,274.10	
Watering streets	2,030.03	
Paving streets	6,922.74	
Bridges	5,439.26	
Scavenger service	5,487.46	
City teams	5,657.91	
Repairs of sewers.....	6,927.57	
New sewers	4,219.53	
Repairs of sidewalks.....	64.59	
Miscellaneous playgrounds	50.61	
Cutting and trimming trees.....	783.76	
Elm leaf beetle.....	2,811.10	
Gypsy moth	558.75	
Oiling streets	4,242.38	
East Side park.....	400.35	
		\$83,468 17

Temporary Loan.

Lee, Higginson Co.....	\$200,000.00	
Manchester Safety Deposit & Trust Co.....	100,000.00	
Strafford National Bank.....	200,000.00	
		\$500,000.00

EXPENDITURES.

Notes in anticipation of taxes.....	\$500,000.00
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City Hall.

Appropriation	\$4,500.00	
Transferred from unappropriated money.....	80.58	
		<u>\$4,580.58</u>

EXPENDITURES.

FUEL, LIGHTS, TELEPHONE.

L. B. Bodwell, coal.....	\$162.81	
J. N. Brown, weighing coal.....	7.50	
J. H. DeCourcy Coal Co., wood.....	18.90	
Moore & Preston Coal Co., coal.....	568.02	
Manchester Traction, Light & Power Co., electric lights	718.90	
N. E. Telephone & Telegraph Co., service.....	46.71	
Peoples Gas Light Co.....	6.20	
		<u>\$1,529.04</u>

CLEANING OFFICES, ETC.

Charles J. Beliveau, janitor.....	\$900.00	
Dustwax Manufacturing Co., "Dustwax"....	12.50	
L. M. Folsom, crash and cheesecloth.....	5.34	
Office Toilet Supply Co., toilet service.....	61.40	
Patrick E. Ryan, janitor.....	900.00	
C. D. Steele, soap.....	.75	
Maria Tracy, cleaning.....	420.00	
John B. Varick Co., janitor's supplies, etc...	132.57	
West Disinfecting Co., disinfectant.....	44.00	
		<u>\$2,476.56</u>

FURNITURE AND SUPPLIES.

The Barton Co., awnings and hanging awnings	\$51.55	
E. M. Bryant & Co., lamps, fuses, etc.....	1.50	
Edison Lamp Works of General Electric Co., lamps	8.10	
Farrell Brothers, bracket, cord, labor.....	6.89	
A. L. Franks & Co., electric fans, cord, etc...	32.48	
Walter E. Graf, freight and cartage.....	.61	
C. A. Hoitt Co., hassocks.....	1.96	
Imperial Decorating Co., decorating City Hall, May 30 and September 5.....	45.00	
Manchester Hardware Co., supplies.....	17.97	
Manchester Coal & Ice Co., ice.....	21.50	

PRINTING AND STATIONERY.

47

Manchester Traction, Light & Power Co., lamps	\$37.70	
Peoples Gas Light Co., hot plate and tubing.	3.85	
Harry A. Piper, putting up and taking down banner	2.00	
		<u>\$231.11</u>

INCIDENTAL REPAIRS.

Carl W. Anderson & Co., repairing clocks, etc.	\$12.00	
Finney Upholstering & Window Cleaning Co., caning chairs	2.65	
A. L. Franks & Co., overhauling ceiling fan..	1.50	
N. J. Fontaine & Co., repairing chair.....	2.00	
Imperial Decorating Co., repairing flags and awnings	19.50	
Pike & Heald Co., repairing water coolers...	4.35	
		<u>\$42.00</u>

INSURANCE PREMIUMS.

William G. Berry	\$56.77	
Clough & Parker	13.38	
Dockham & Wenzel	44.58	
Philip C. Lockwood	40.00	
Putnam & Laflamme	13.38	
John A. Sheehan	89.18	
G. A. Vermille Insurance Agency	44.58	
		<u>\$301.87</u>
Total expenditures		<u><u>\$4,580.58</u></u>

Printing and Stationery.

Appropriation	<u>\$3,500.00</u>
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EXPENDITURES.

AUDITOR.

John B. Clarke Co., printing 400 annual re- ports	\$792.72
John B. Clarke Co., binding 138 annual reports	165.30

E. A. Stratton Co., printing blanks and postal cards	\$6.00	
Williams Printing Co., printing bill heads...	87.75	
		<hr/>
		\$1,051.77

BOARD OF REGISTRARS.

John B. Clarke Co., printing.....	\$552.25
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CITY CLERK.

John B. Clarke Co., printing.....	\$237.15	
W. P. Goodman, stationery.....	7.00	
		<hr/>
		\$244.15

CITY MESSENGER.

Ruemely Press, printing.....	\$18.80
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MAYOR.

John B. Clarke Co., printing order books, letter heads, envelopes	\$54.80
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TAX COLLECTOR.

Remy Bechar, notices.....	\$5.75	
John B. Clarke Co., printing tax bills, etc....	221.75	
E. A. Stratton Co., cards.....	1.00	
		<hr/>
		\$228.50

Total expenditures	\$2,150.27
Transferred to unappropriated money.....	1,349.73
	<hr/>
	\$3,500.00
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Incidental Expenses.

Appropriation	\$10,000.00
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EXPENDITURES.

BIRTHS AND DEATHS.

M. P. Badger, M. D.....	\$6.00
W. A. Bartlett, M. D.....	.25

INCIDENTAL EXPENSES.

49

George L. Bastian, M. D.	\$10.75
W. L. Biron, M. D.	41.50
Marya Bozek	37.00
P. Bergeron, M. D. ....	.25
H. W. Boutwell, M. D. ....	.25
A. P. Cambadis, M. D.	2.75
Damese Caron, M. D.	39.00
I. L. Carpenter, M. D.	4.00
Charles Chirurg, M. D.	3.00
Herman L. Christophe, M. D.	13.25
C. O. Coburn, M. D.	13.25
James M. Collity, M. D.	4.50
P. W. F. Corning, M. D.	1.25
Walter T. Crosby, M. D.	7.25
Edward H. Currier, M. D.	3.50
Charles L. Curtiss, M. D.	2.50
Mary S. Danforth, M. D.	2.75
George M. Davis, M. D.	9.00
R. H. Dillon, M. D.	6.25
Eugene B. Dunbar, M. D.	8.00
Clarence E. Dunbar, M. D.	1.25
John Ferguson, M. D.	3.75
George V. Fiske, M. D.	10.50
C. F. Flanders, M. D.	14.50
C. A. Folsom, M. D.	11.25
George S. Foster, M. D.	5.00
John H. Gleason, M. D.	4.25
Moise Guerin, M. D.	5.25
George B. Hoitt, M. D.	4.75
John F. Holmes, M. D.	15.50
Ezra A. Jones, M. D.	14.25
M. E. Kean, M. D.	3.50
L. J. Lacasse, M. D.	89.75
Gustave Lafontaine, M. D.	16.75
J. E. Laroche, M. D.	37.75
Z. A. Lavoie, M. D.	62.00
J. E. Lemaitre, M. D.	2.25
W. R. Lightbody, M. D.	6.50
Anna Lipinska	9.50
W. H. Lyons, M. D.	28.25
W. B. Mack .....	.75
Lillian B. Mahan, M. D.	2.50
A. S. Mangurian, M. D.	9.25
J. W. D. McDonald, M. D. ....	.50
Nora McQuade .....	.50
N. D. Michou, M. D.	20.25
Samuel Miller, M. D.	10.25

Emile D. Miville, M. D.	\$45.50
John T. Murray, M. D.	5.50
C. E. Newell, M. D. ....	.75
John C. O'Connor, M. D.	28.75
N. P. Papatopoulos, M. D. ....	.25
D. W. Parker, M. D.	5.50
W. M. Parsons, M. D. ....	.50
H. S. Pattee, M. D.	4.75
J. R. Pepin, M. D.	6.25
Frederick Perkins, M. D.	2.00
F. J. Pherson, M. D.	11.00
A. J. Pitman, M. D.	3.00
J. J. Powers, M. D.	7.50
Abraham Rich	1.50
J. F. Robinson, M. D.	3.75
Herman Rodelsperger ....	.50
C. S. Rodier, M. D.	2.75
F. N. Rogers, M. D.	3.50
J. E. E. Roy, M. D.	23.75
B. E. Sanborn, M. D.	6.25
F. P. Scribner, M. D.	9.75
H. L. Stickney, M. D.	3.25
A. G. Straw, M. D. ....	.75
Zatae L. Straw, M. D.	13.00
Charles A. Sturtevant, M. D.	4.25
C. B. Sturtevant, M. D. ....	.25
Emile Sylvain, M. D.	6.00
Joseph Taylor, M. D.	12.50
W. A. Thompson, M. D.	12.50
M. H. Towle, M. D.	5.75
E. C. Tremblay, M. D.	4.25
Ellen A. Wallace, M. D. ....	.75
George M. Watson, M. D.	12.25
Maurice Watson, M. D.	19.25
N. B. Webber, M. D.	5.25
Rufus W. Weeks, M. D.	21.50
A. F. Wheat, M. D.	6.25
G. C. Wilkins, M. D.	10.75
George H. Beckley, M. D., Derry, N. H. ....	.25
C. E. Butterfield, M. D., Suncook, N. H. ....	.75
W. F. Corning, M. D., Londonderry, N. H. ....	.75
G. H. Greeley, M. D., Thornton's Ferry, N. H. ....	.25
C. W. Milliken, M. D., Goffstown, N. H. ....	.25
H. L. Smith, M. D., Nashua, N. H. ....	.25
E. B. Swett, M. D., Grasmere, N. H. ....	.75
L. T. Togos, M. D., Hooksett, N. H. ....	.25
H. W. Robinson, M. D., Candia, N. H. ....	.25
Wm. Richardson, M. D., Londonderry, N. H. ....	.75

MARRIAGES.

Rev. Carl M. Ahlberg.....	\$0.25
Rev. E. Alix .....	.25
Rev. Henri Beaudé	1.75
Charles D. Barnard.....	.50
M. S. Bennett.....	.75
John C. Bickford.....	.25
Rev. J. S. Buckley.....	5.00
Rev. C. E. Burke.....	.25
Rev. Gustav Carlson .....	.25
Rev. Herbert W. Carr.....	.25
Rev. T. J. Tate.....	.25
Rev. Thomas Chalmers	2.50
Rev. J. A. Chevalier.....	10.50
Rev. Edward A. Clark.....	.50
Rev. T. W. Coakley.....	1.25
Rev. C. G. Cole.....	.75
Rev. Thomas J. Connor.....	2.00
James Costakis .....	.75
Rev. Ora W. Craig.....	.50
Rev. C. R. Crossett.....	.25
Rev. I. H. C. Davignon.....	20.00
Samuel J. Dearborn.....	.25
Rev. T. J. E. Devoy.....	13.75
Rev. J. H. Dickson.....	2.50
Rev. André Doucet .....	.25
Rev. L. J. A. Doucet.....	3.50
Joseph M. Druker.....	.25
Rev. John E. A. Evert.....	1.25
W. W. Forbes.....	.50
Rev. M. R. Foshay.....	2.75
Charles H. Foster.....	.25
Rev. David Fraser	3.25
Rev. Benjamin Gardner	1.00
Rev. D. E. Gorman.....	.75
Rt. Rev. G. A. Guertin.....	.25
Rev. Malatios Hagar.....	.25
Arthur B. Hayden.....	.50
Rev. G. R. Hazard	2.25
Rev. C. Harmantas	6.75
George I. Hazelton.....	.25
Rev. Joseph Hollrigl.....	.75
Timothy J. Howard.....	.25
Rev. John Kamm	5.00
Rev. Albert Lang	2.75
Rev. F. X. Leclair.....	2.75

Rev. A. J. Leclerc	\$1.75
George A. Little.....	.25
Rev. B. W. Lockhart.....	2.00
Harry T. Lord.....	.25
Harry E. Loveren.....	.25
Rev. F. X. Lyons.....	1.25
Rev. John J. Lyons.....	4.00
B. J. Mack.....	.75
Rev. John Mard	3.50
Rev. L. H. Martin.....	2.25
Rev. James McGill	1.25
Rev. E. J. Palisoul.....	.75
Rev. C. Papagregoriou	5.75
David W. Perkins.....	.75
Rev. Raphael Pfisterer.....	.50
Arthur W. Phinney.....	1.25
Stephen Plaza	17.75
Rev. J. B. Puchala.....	3.50
George E. Quimby.....	.50
Herman Rodelsperger	2.00
Rev. George Sardunis .....	.25
Rev. John Sliney .....	.25
Rev. James W. Smith.....	1.50
Hiram A. Stearns.....	.50
Rev. Peter Solovey	2.50
Rev. A. Strockyj	4.00
Rev. W. F. Sturtevant.....	.75
Rev. H. J. Tetrault.....	.50
Rev. G. B. Thomas.....	5.00
Rev. William Warren	2.75
Rev. John E. Wildey.....	.25
Rev. William Woods	1.00
Rev. B. S. Wheeler.....	.25
Rev. H. C. Whitcomb.....	1.75
Albert H. White.....	.25
Rev. Arnold S. Yantis.....	.50
Rev. John Zacharko	2.25
Rev. C. D. Adams, Hanover, N. H.....	.25
Rev. Archibald Black, Concord, N. H.....	.25
Rev. John Boyd, Goffe's Falls, N. H.....	.50
Rev. John J. Bradley, Dover, N. H.....	1.25
Rev. H. A. Calhoun, Nashua, N. H.....	.25
Rev. S. V. Casparias, Cambridge, Mass.....	.25
Rev. Matthew Creamer, Nashua, N. H.....	.75
Rev. A. L. Cyr, Nashua, N. H.....	.25
Rev. D. S. Duffly, Milford, N. H.....	.25
Rev. D. J. Dunn, Derry, N. H.....	.25

INCIDENTAL EXPENSES.

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Rev. E. N. Durette, Derry, N. H.	\$0.50
Irving V. Goss, Franklin, N. H.25
Rev. D. I. Gross, Nashua, N. H.50
Rev. D. P. Hatch, Goffstown, N. H. ....	.25
Charles W. Hoitt, Nashua, N. H. ....	.25
Rev. T. C. Laughlin, Salem, N. H. ....	.25
Rev. J. G. Leclerc, Hillsborough, N. H. ....	.25
Rev. W. H. Morrison, Nashua, N. H. ....	.25
Fr. B. Nahar, Lawrence, Mass. ....	.25
Rev. E. M. Parker, Concord, N. H. ....	.25
Rev. W. H. Perham, Amherst, N. H. ....	.25
Rev. W. H. Pound, Wolfeboro, N. H. ....	.25
Rev. T. C. Radoslavoff, Weirs, N. H. ....	.25
Rev. L. J. W. Robichaud, Hooksett, N. H. ....	.25
Henry Robinson, Concord, N. H. ....	.25
Rev. W. P. Stanley, Portsmouth, N. H. ....	.25
Rev. E. C. Strout, Nashua, N. H. ....	.25
Rev. Leo Tylo, Nashua, N. H.	4.25
Rev. Lucius Waterman, Hanover, N. H. ....	.25
Rev. C. A. Wing, Concord, N. H. ....	.50

\$189.25

DAMAGES AND JUDGMENTS.

Thomas J. Briggs, personal injuries, full settlement	\$400.00
Jeremiah Choate, personal injuries.	150.00
Rev. C. R. Crossett, sewer damage.	25.00
Francena Laird, real estate and personal injury	650.00
Lena McCauley, personal injury, full settlement	200.00
Margaret Shea, admx. estate of James Shea, judgment by agreement.	150.00
Frank Welcome, injury to son, and damage to team, full settlement.	150.00
Scott M. Wheeler, property damage, judgment and costs.	236.51

\$1,961.51

LEGAL EXPENSES.

Ernest W. Bowditch, services, Reed v. City...	\$326.99
E. J. Copp, copy of will.	1.00
E. S. Dorr, services, Reed v. City.	117.50
Jones, Warren, Wilson & Manning, services and expenses, Reed v. City.	510.00
Dallain v. City.	36.72

Calvin R Wood, recording.....	\$12.00	
	<hr/>	\$1,004.21

BOARD OF ALDERMEN AND COMMITTEES.

American Express Co., express on plans re- turned	\$0.28	
Leo A. Cavanaugh, transportation.....	9.00	
H. W. Eager, transportation.....	19.50	
W. P. Goodman, paper	1.25	
Hanover Street Garage, transportation.....	53.39	
John A. Meade, taking testimony, and tran- scribing same	5.00	
James W. Richards, transportation.....	14.00	
Railroad Square Garage, transportation.....	6.00	
Ruemely Press, printing	4.50	
	<hr/>	\$112.92

CITY SCALES.

L. B. Bodwell, coal	\$17.88	
Manchester Traction, Light & Power Co., lights	11.40	
Moore & Preston Coal Co., coal.....	8.43	
	<hr/>	\$37.71

MAYOR.

W. P. Goodman, stationery	\$13.15	
Keystone Press, printing	25.75	
John R. Willis, P. M., envelopes.....	21.36	
	<hr/>	\$60.26

TAX COLLECTOR.

Burroughs Adding Machine Co., paper.....	\$1.30	
Caron & Lambert, team hire	10.00	
Elbe File & Binder Co., 1 binder # 118½.....	1.58	
George D. Fitts, stationery and books.....	17.73	
W. P. Goodman, stationery.....	7.00	
L. S. Knowlton, team hire.....	28.00	
Keystone Press, 1 stamp.....	.75	
Novelty Company, rental of Fox typewriter, cleaning machine and ribbons.....	11.00	
Victor W. Roy, cash paid for expenses to sun- dry cities	12.30	
E. A. Stratton Co., printing cards.....	1.00	

INCIDENTAL EXPENSES.

55

Temple & Farrington Co., books and stationery	\$212.96
John R. Willis, P. M., envelopes and stamps..	534.08

 \$837.70

CITY CLERK.

J. J. Abbott, glass	\$0.80
American Ribbon & Carbon Co., ribbons and carbon paper	18.75
John F. Gilbert, stationery.....	3.46
W. P. Goodman, stationery and books.....	127.20
Keystone Press, changing stamp.....	.30
L'Avenir National Publishing Co., publishing ordinances	34.80
Modern Telephone Tablet Co., 1 tablet.....	.75
New England Badge Co., junk dealers' badges.	22.15
New England Telephone & Telegraph Co., tolls	10.78
Remington Typewriter Co., 2 typewriters, less two in exchange	88.20
E. A. Stratton Co., printing.....	41.50
Thacker-Craig Paper Co., labels, bands, clips.	4.86
Harold Van Norden, labor on list of unpaid dog licenses	22.50
John B. Varick Co., typewriter ribbons.....	3.00
Western Union Telegraph Co., clock rental....	12.00
John R. Willis, P. M., envelopes.....	53.86
Yawman & Erbe Manufacturing Co., cards....	5.37

 \$450.28

CITY TREASURER.

Fred L. Allen, cash paid for postage stamps..	\$24.65
Amoskeag Savings Bank, rent of safety deposit box	15.00
John B. Clarke Co., advertising.....	6.50
Edson C. Eastman, 1 400-page trust fund book	4.84
General Manifold & Printing Co., 21,000 pay envelopes	63.00
W. P. Goodman, stationery.....	33.83
Joseph Green, pads and ink	1.10
E. H. Holmes, cartage and freight.....	.96
The Johnson Paper Co., pencils and bands....	5.50
William Mann Co., lithographed checks.....	44.82
Manchester Safety Deposit & Trust Co.:	
Furnishing bonds, certifying bonds and all expense in connection with their issue....	275.00
Temporary loans	90.00
Rental of safe	10.00

New England Telephone & Telegraph Co., tolls	\$9.45	
Novelty Company, 1 copy holder.....	3.38	
Francis Pratt, Jr., pens	6.00	
Victor W. Roy, postage stamps.....	8.45	
Standard Carbon & Ribbon Co., typewriter ribbons	7.50	
E. A. Stratton Co., supplies and printing.....	18.25	
R. K. Slaughter, exchange on check writer....	13.00	
Temple & Farrington Co.:		
Stationery	41.25	
Binding pay-rolls	5.00	
Union-Leader Publishing Co., advertising....	9.38	
John R. Willis, P. M., stamps and envelopes...	117.62	
		<hr/>
		\$814.48

CITY SOLICITOR.

Charles D. Barnard, expenses, sundry suits...	\$229.46	
Hanover Street Garage, use of automobile....	3.96	
		<hr/>
		\$233.42

SEALER OF WEIGHTS AND MEASURES.

Ruemely Press, seals and cards and printing..	\$40.25	
C. J. Tagliabue Manufacturing Co., supplies...	11.75	
John B. Varick Co. supplies.....	6.50	
		<hr/>
		\$58.50

BOARD OF REGISTRARS.

John B. Clarke Co., printing.....	\$14.50	
George D. Fitts, cards printed.....	3.25	
W. P. Goodman, blank books.....	2.00	
Hanover Street Garage, use of automobile, posting notices	8.75	
Novelty Company:		
1 Fox typewriter.....	75.00	
Rental of typewriter	1.69	
Perk Lunch Co., dinners and food supplies....	4.95	
Star Stamp Co., stamps and pads.....	2.50	
Temple & Farrington Co., stationery, etc....	11.35	
John B. Varick Co., burner, mantle, chimney..	.65	
John R. Willis, P. M., 3,200 one-cent envelopes	35.20	
		<hr/>
		\$159.84

COURT HOUSE.

L. B. Bodwell, coal.....	\$126.42
Gustave Hecker, janitor.....	250.00

INCIDENTAL EXPENSES.

57

Willard L. Miner, janitor.....	\$500.00	
Moore & Preston Coal Co., coal.....	214.11	
People's Gas Light Co., gas.....	88.40	
		<hr/>
		\$1,178.93

INSURANCE PREMIUMS.

William G. Berry	\$7.50	
Clough & Parker	5.00	
John Dowst	5.00	
Philip C. Lockwood	7.50	
Thomas D. Paris	37.50	
Putnam & Laflamme.....	131.50	
John A. Sheehan	7.50	
James J. Sullivan	37.50	
		<hr/>
		\$239.00

ELECTION EXPENSES.

L. B. Bodwell, wood, coal, ward 2 and 4.....	\$3.30	
Richard J. Brown, care of ward 5 wardroom..	8.00	
Rev. J. A. Chevalier, rent of St. Cecilia hall, March 14	25.00	
John B. Clarke Co., warrants, tally sheets, etc.	8.25	
W. P. Goodman, stationery and books.....	23.15	
The Keystone Press, stamps and pads.....	5.50	
L. S. Knowlton, transportation of ballot boxes	2.50	
George E. Noyes, lunch served at registration room	3.50	
Patrick O'Connell, use of automobile.....	1.00	
St. Augustine Church, rental of St. Cecilia hall, September 5, and November 7.....	60.00	
J. O. Turcotte, use of tables and chairs.....	2.60	
		<hr/>
		\$142.80

SUNDRIES.

F. L. Allen, expenses of mayor and treasurer to Boston, sundry times.....	\$21.60	
Boston & Maine Railroad, two 50-ride tickets to Boston, less cash received for tickets sold	91.12	
Ferdinand Farley, shorthand report, relative to Bakersville schoolhouse.....	5.00	
George D. Fitts, blotters, labels, boxes.....	7.50	
Hotel Orrington, 6 dinners, mayor and engi- neers on Tannery brook sewer.....	7.25	
David Hourihan, fowls killed by dogs.....	5.00	
H. L. Jordan, 3 dinners, mayor and visiting su- perintendent of schools.....	3.40	

Herman Koford, bounty on wildcat killed....	\$2.00
Manchester Traction, Light & Power Co., electric lights, sundry wardrooms.....	60.91
New England Telephone & Telegraph Co., moving telephone and tolls.....	5.17
Arthur W. Phinney, return of births and names of children, not previously reported by physicians	89.25
Bayard C. Ryder, premium on surety bond for city clerk	9.50
Sampson & Murdock Co., directories.....	80.00
John A. Sheehan, premium on bonds for city officials	622.50
E. A. Stratton, printing blanks.....	1.50
Harry W. Spaulding:	
Expenses to Boston, relative to contract for city hospital	8.33
Expenses mayor and finance committee to Boston, inspection of fire motor apparatus	23.50
Expenses and carfare to Buffalo and Niagara and return, relative to school superintendent	53.36
Expenses mayor and aldermen to Boston, inspecting gasoline pumping engines....	43.41
Fortunat Tremblay, taxes wrongly assessed and paid on 5% mortgage, exempt by law, for the year 1915.....	10.27
Town of Goffstown, taxes	5.29
Union-Leader Publishing Co., publishing ordinances	81.90
Walsh & Cummings, supplies for bathhouse...	.50
John R. Willis, P. M., postage for city reports	3.50
	<hr/>
	\$1,241.76
	<hr/>
Total expenditures	\$9,645.32
Transferred to unappropriated money.....	354.68
	<hr/>
	\$10,000.00
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City Officers' Salaries.

Appropriation	\$29,765.00
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EXPENDITURES.

CENTRAL DEPARTMENT.

Harry W. Spaulding, Mayor.....	\$3,000.00
Fred L. Allen treasurer.....	2,000.00
Arthur W. Phinney, city clerk.....	2,500.00
Victor W. Roy, tax collector.....	2,000.00
Edwin C. Paul, deputy collector.....	1,000.00
Albert A. Halde, deputy collector.....	644.43
Albert J. Peloquin, deputy collector.....	333.32
Abraham S. Rich, deputy collector.....	1,000.00
James R. Ferson, city messenger.....	1,200.00
Charles D. Barnard, city solicitor.....	1,200.00
H. Scott Pattee, M. D., city physician.....	1,200.00
Alvin Bean, sealer of weights and measures..	1,479.16
John E. Piller, sealer of weights and measures	20.84
Alfred E. Morse, city weigher.....	600.00
Fred T. Dunlap, acting city weigher.....	25.00
Charles B. Tucker, registrar.....	600.00
E. J. Flanagan, registrar	300.00
Alfred Forant, registrar.....	300.00
George Merrill, bathhouse caretaker.....	65.00
John Joyce, bathhouse caretaker.....	85.00
Leon Demers, bathhouse caretaker.....	18.57
Ruth L. Stearns, mayor's secretary.....	765.00
Florence H. James, clerk for treasurer.....	810.00
Mabel L. How, clerk for tax collector.....	885.00
Eva G. Jones, clerk for city clerk.....	960.00
Malvina Levesque, clerk for city clerk.....	765.00
Nicolas Tsemanes, services, tax collector.....	141.50
Marjorie Head, clerical services, tax collector	42.75
Florence H. James, clerical services, tax collector	7.50
Rose Kennedy, clerical services.....	100.00
Josephine Miville, clerical services, tax collector	93.37
Aurora Parent, clerical services, tax collector	54.00
Bertha Rowell, clerical services, tax collector	43.87
Eva Roy, clerical services, tax collector.....	259.87
Mrs. L. J. Watts, clerical services, tax collector	46.13

 \$24,545.31

BOARD OF ALDERMEN.

Charles E. Cox, ward 1.....	\$200.00	
Albert L. Clough, ward 2.....	200.00	
George C. Vail, ward 3.....	200.00	
Abraham L. Garmon, ward 4.....	200.00	
Joseph P. Kenney, ward 5.....	200.00	
John D. French, ward 6.....	200.00	
James J. Hogan, ward 7.....	200.00	
Harry R. Bennett ward 8.....	200.00	
Dana A. Emery, ward 9	200.00	
Fred Lange, ward 10.....	200.00	
Gustav F. Wenzel, ward 11.....	200.00	
George Jacques, ward 12.....	200.00	
Euclide F. Geoffrion, ward 13.....	200.00	
	<hr/>	\$2,600.00

ELECTION OFFICERS.

Pay-roll, ballot clerks.....	\$1,020.00	
Pay-roll, moderators, 1915 and 1916.....	325.00	
Pay-roll, ward clerks, 1915 and 1916.....	650.00	
	<hr/>	\$1,995.00
Total expenditures		\$29,140.31
Transferred to unappropriated money.....		624.69
		<hr/>
		\$29,765.00
		<hr/>

Assessors' Department.

Appropriation	\$12,500.00
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EXPENDITURES.

SALARIES OF BOARD.

Joseph O. Tremblay, chairman.....	\$2,000.00	
William P. Farmer	2,000.00	
Joseph H. Geisel	1,833.33	
	<hr/>	\$5,833.33
Arthur W. Rowell, clerk of board.....	\$1,400.00	
Harry J. Briggs, engineer.....	1,200.00	
	<hr/>	\$2,600.00

CLERICAL SERVICES.

John L. Beaudry	\$39.00
J. W. Z. Bernard	55.50
Charles W. Brown	114.00
Eva Bureau	54.00
Frank P. Collins	111.00
Agnes Connors	54.00
Frank C. Curtis	35.75
Ira W. Dickey	37.13
Cecily M. Donnelly	2.00
John F. Donnelly	12.50
Walter Duda	35.00
George B. Fitzgerald	25.00
Frank Fox	5.00
Marjorie Head	104.00
Basil H. Johnson	79.25
Rose A. Kennedy	199.63
James Lange	50.00
Frank A. Lane	195.00
Addie C. Lee	144.50
Josephine Miville	143.25
John B. Montplaisir	151.25
John F. Montplaisir	63.00
Eula Moreau	54.00
Donat B. Morency	35.00
Dennis A. Murphy	42.63
Jean B. Rejimbail	49.50
Abraham S. Rich	36.00
Bertha E. Rowell	15.00
Eva M. Roy	92.25
Ruth Stratton	50.00
Leroy M. Streeter	60.00
George Taylor	54.00
C. C. Tinkham	51.00
Charles Trudell	49.50
Alice Watts	144.50
Gustav F. Wenzel	39.00

 \$2,482.14

AUTOMOBILE AND TEAM HIRE.

Boufford, Letendre & Co.	\$10.00
Caron & Lambert	13.00
Leo A. Cavanaugh	23.50
Ira W. Dickey	17.00
William Giguere	20.50

L. S. Kowlton	\$50.00
James W. Richards.....	59.00
Railroad Square Garage.....	26.67
L. M. Streeter.....	12.00
Louis Vogel	5.00
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	\$236.67

SUPPLIES, ETC.

Remy Bechard, printing.....	\$10.00
Boston & Maine Railroad, freight on steel cases	4.46
John B. Clarke Co.:	
Printing	52.15
Advertising	17.90
L. J. Dionne, making table	7.80
W. P. Farmer, cash paid for carfares and din- ners while surveying	48.55
George D. Fitts, books and stationery.....	9.75
Fellows-Fitzpatrick Co., 2000 cards.....	15.50
Martin G. Ferry, surveying	168.50
Finney Upholstering & Window Cleaning Co., caning chair	1.40
W. P. Goodman, books and stationery.....	32.00
C. A. Hoitt Co., shades and hanging.....	4.25
The Keystone Press, printing, etc.	16.00
L'Avenir National:	
Cards	14.00
Publishing notice	9.75
Library Bureau, cards	166.00
Manchester Coal & Ice Co., ice.....	4.30
J. J. Moreau & Son, pencils and fountain pen.	10.30
A. A. Mooney Furniture Co., repairing chair..	2.50
New England Telephone & Telegraph Co., tolls	9.50
Novelty Company, rental of typewriter.....	13.00
Office Toilet Supply Co., toilet service.....	15.10
Oliver Typewriter Co., ribbons.....	4.00
John A. Sheehan, insurance premium.....	16.67
Star Stamp Co., index cards and stamp.....	90.50
E. A. Stratton Co., binder and loose leaves....	14.00
Temple & Farrington Co., books, stationery and binding	146.85
J. O. Tremblay, cash paid for postage, car fares, expenses to sundry cities, etc.....	162.07
The Treworgy Ink & Pen Manufacturing Co., pens	2.50

Union-Leader Publishing Co., publishing no-		
tice	\$42.90	
John B. Varick Co., supplies.....	64.45	
John R. Willis, P. M., stamps.....	130.00	
Williams Printing Co., 5000 cards.....	18.75	
	<hr/>	\$1,325.40
Total expenditures	\$12,477.54	
Transferred to unappropriated money	22.46	
	<hr/>	\$12,500.00
	<hr/>	<hr/>

Building Department.

Appropriation	\$5,735.00
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EXPENDITURES.

SERVICES.

James A. Rogers, superintendent, salary and		
team hire	\$2,200.00	
J. B. Lariviere, inspector.....	1,252.00	
Mrs. P. M. Talford, clerical services.....	718.50	
	<hr/>	\$4,170.50

SUNDRIES.

Aalding Supply Co., supplies.....	\$11.15
Ernest E. Austin, repairing battery	8.90
Automatic Pencil Sharpener Co., cutter re-	
sharpened .....	.58
W. G. Berry, automobile insurance premium..	90.74
Brodie Electric & Automobile Co., supplies....	5.40
Globe Tire Service Co., supplies and repairs..	7.35
W. P. Goodman, stationery.....	6.27
Manchester Auto Garage, 1 Dodge Bros. tour-	
ing car	800.00
New England Telephone & Telegraph Co., tolls	7.95
Novelty Company, typewriter ribbons.....	1.50
L. F. Prescott, varnish.....	7.50
Ruemely Press, printing	9.75
Sanborn Carriage Co., celluloid.....	.37
D. F. Sullivan Auto Co., supplies.....	46.15
John B. Varick Co., supplies	60.37

Williams Printing Co., printing building codes, etc.	\$365.25	
John R. Willis, P. M., envelopes.....	85.44	
		<u>\$1,514.67</u>
Total expenditures		\$5,685.17
Transferred to unappropriated money		49.83
		<u>\$5,735.00</u>

Auditor's Department.

Balance from last year unexpended.....	\$697.67	
Appropriation	3,300.00	
		<u>\$3,997.67</u>

EXPENDITURES.

LABOR.

- James E. Dodge, salary as auditor	\$2,000.00	
Lizzie M. Cogswell, services as clerk.....	1,020.00	
		<u>\$3,020.00</u>

OFFICE SUPPLIES.

The Barton Co., 7 reams paper.....	\$29.60
F. P. Bridges & Co., pens	4.50
Building Department, making table.....	9.62
Lizzie M. Cogswell, cash paid for laundry, postage and supplies.....	22.71
James E. Dodge, cash paid for express, en- velopes, delivering reports.....	13.22
George D. Fitts, stationery.....	.30
W. P. Goodman, stationery.....	22.70
John F. Gilbert, 1 pad.....	.39
Kee Lox Manufacturing Co., carbon paper....	3.50
Manchester Street Railway, car tickets.....	2.50
Manchester Hardware Co., 1 plane.....	.45
McMillan Book Co., E. & B. covers.....	17.13
Municipal Journal, 1 subscription to December 1, 1917	3.00
E. L. Sibley Manufacturing Co., Inc., 6 boxes Challenge eyelets	9.00
E. A. Stratton Co., printing.....	.75

Temple & Farrington Co., binders, binding, etc.	\$16.50	
John B. Varick Co., paper, globes, etc.....	2.53	
		<u>\$158.40</u>
Total expenditures		\$3,178.40
Balance to new account.....		819.27
		<u>\$3,997.67</u>

Mayor's Incidentals.

Appropriation	\$600.00
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EXPENDITURES.

Harry W. Spaulding	\$600.00
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Damage of Land Taken for Highways.

Appropriation, temporary loan, resolution December 19...	\$23,000.00
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EXPENDITURES.

G. Allen Putnam, 9,245.6 square feet land, Hayward street, Hall to Belmont street.....	\$647.19
Total expenditures	\$647.19
Balance to new account	22,352.81
	<u>\$23,000.00</u>

Board of Public Works.

Appropriation	\$18,500.00
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EXPENDITURES.

SALARIES.

William McElroy, member of board.....	\$750.00	
Charles F. Read, member of board.....	750.00	
Samuel J. Lord, engineer and clerk of board	1,950.02	
		<hr/>
		\$3,450.02

DIVISION SUPERINTENDENTS AND ASSISTANTS.

Charles Francis, division No. 2.....	\$1,200.00	
Odilon Demers, division No. 10.....	1,500.00	
Emile A. Blanchet, timekeeper.....	749.58	
John Beard, foreman.....	262.50	
Harry T. George, timekeeper.....	1,097.07	
Cyrus A. Libbey, foreman.....	1,379.81	
Fred K. Ramsey, timekeeper.....	1,085.22	
Tom W. Robinson, inspector.....	1,315.32	
E. W. Keith, timekeeper.....	56.44	
		<hr/>
		\$8,645.94

CLERICAL SERVICES.

Harrie H. Clement.....	\$1,519.96	
Felix A. Lepage.....	916.46	
Rose Kennedy	31.50	
		<hr/>
		\$2,467.92

SUNDRIES.

The American City, 2 subscriptions.....	\$5.00	
American Express Co., charges.....	61.45	
American Ribbon & Carbon Co., carbon paper	8.40	
Baltimore Enamel & Novelty Co., number and license plates	73.50	
Boston & Maine Railroad, freight.....	1.72	
Burroughs Adding Machine Co., attention to machine	2.00	
John B. Clarke Co., advertising.....	1.02	
Harrie H. Clement, cash paid: Expenses of Board to Worcester, Mass., December 15, 16, 17, 1915, attending road congress.....	95.49	
Licenses, telephone, gasoline, etc.....	7.02	
Finney Upholstering & Window Cleaning Co., caning chairs	1.25	
George D. Fitts, filing sections, cards, etc...	51.88	

W. P. Goodman, books and stationery.....	\$76.70	
Granite State Rubber Co., bands.....	1.25	
Peter Harris & Son, making keys.....	.60	
M. W. Holton, rental of automobile.....	5.00	
The Keystone Press, printing.....	51.40	
Manchester Coal & Ice Co., ice.....	4.30	
Carl S. Magoon, typewriter ribbons.....	3.00	
Manchester Machine Works, labor.....	.13	
Municipal Journal, 1 subscription to March 1, 1917	3.00	
New England Telephone & Telegraph Co., use of telephones	196.24	
Novelty Co., typewriter ribbon.....	.75	
Official Classification Committee, 1 subscrip- tion	1.00	
Harry A. Piper, repairing chair.....	1.25	
Remington Typewriter Co., repairing and ad- justing machine	1.75	
Rapid Mailing Bureau, Inc., carbon paper...	7.25	
Ruemely Press, printing, binding, and ruling 20 boxes paper.....	283.65	
James A. Scully, 1 map roller.....	40.00	
Temple & Farrington, binding books.....	5.75	
Union-Leader Publishing Co., advertising....	86.11	
John B. Varick Co., photographic supplies...	1.74	
Samuel Ward Co., staples.....	11.05	
Western Union Telegraph Co., telegrams....	6.20	
John R. Willis, P. M., stamps.....	.59	
	80.00	
		\$1,177.44
Total expenditures		\$15,741.32
Transferred to unappropriated money.....		2,758.68
		\$18,500.00

Repairs of Highways.

Appropriation	\$65,000.00	
Received for labor and material sold.....	19,729.64	
Transferred from unappropriated money....	21,274.10	
		\$106,003.74

EXPENDITURES.

LABOR.

Division No. 2:

January	\$735.05
February	533.36
March	263.85
April	513.34
May	2,198.42
June	3,676.33
July	4,374.66
August	6,783.66
September	5,163.05
October	4,219.12
November	5,194.29
December	3,397.57

\$37,052.70

Division No. 4:

April	\$83.21
May	290.16
June	199.18
July	237.94
August	246.63
September	220.26
October	234.18
November	233.27

\$1,744.83

Division No. 5:

January	\$5.61
February .....	.54
April	8.63
May	4.95
June	11.06
September	76.59
October	35.31
November	88.87
December	53.53

\$285.09

Division No. 5—A:

January	\$81.76
April	80.45
May	252.48
June	251.66
July	287.28

August	\$225.85	
September	465.04	
October	432.54	
November	391.85	
December	212.29	
	<hr/>	\$2,681.20

Division No. 7:

January	\$33.60	
February	42.00	
March	33.60	
April	117.10	
May	209.09	
June	480.36	
July	657.26	
August	2,191.58	
September	1,225.10	
October	1,008.37	
November	164.61	
December	42.80	
	<hr/>	\$6,205.47

Division No. 9:

January	\$10.28	
April	56.40	
May	294.49	
June	392.38	
July	500.52	
August	868.50	
September	623.18	
October	706.52	
November	929.81	
December	366.16	
	<hr/>	\$4,748.24

Division No. 10:

January	\$29.48	
February	61.84	
March	23.33	
April	125.54	
May	382.15	
June	865.47	
July	323.65	
August	899.00	
September	1,141.31	
October	864.16	
November	1,533.30	
December	831.39	
	<hr/>	\$7,080.62

Board of Public Works:

January	\$129.81
John Beard, foreman.....	\$350.00

SUPPLIES AND REPAIRS.

The Acme Road Machinery Co., supplies.....	\$178.23
Advance Car Mover Co., 1 Badger car mover..	5.00
Amoskeag Manufacturing Co., material and repairs	78.58
L. B. Annis, gravel.....	66.70
Ernest E. Austin, repairing ignitor.....	12.00
L. E. Bagley, hauling stone crusher and hoisting engine	130.00
Barrett Manufacturing Co., tarvia.....	5,822.60
Brooks and Brock, gravel, etc.....	84.30
Bunton & Bernard, material and labor.....	34.35
Buffalo Steam Roller Co., supplies.....	197.28
G. A. Campbell, gravel.....	26.70
E. P. Cornish, steam gauge.....	2.00
Concord Foundry & Machine Co., castings....	313.91
Daniel Connor heirs, gravel.....	56.40
J. H. DeCourcy Coal Co., coal.....	426.09
Edwards O. Dodge, gravel.....	3.00
Dyer Supply Co., supplies.....	24.85
Essex Trap Rock & Construction Co., broken stone	1,830.55
C. M. Floyd Co., gloves.....	.60
A. L. Franks & Co., wiring stone crusher....	10.23
Fred G. French, sand.....	50.00
Abraham L. Garmon, gravel.....	2,887.84
Good Roads Machinery Co., supplies.....	42.90
Headley Good Roads Co., road oil.....	288.00
J. Hodge estate, sign boards.....	28.75
Isaac Huse, gravel.....	25.50
William Jones, gravel.....	21.40
Eugene Libby, gravel.....	5.80
Manchester Street Railway, spikes.....	4.18
Manchester Supply Co., pipe.....	62.30
Manchester Traction, Light & Power Co., electricity, lamps, fuses.....	944.92
Massachusetts Broken Stone Co., broken stone	9,584.73
C. F. McCarty, lettering signs.....	192.10
W. H. McElwain Co., crushed stone.....	318.50
George McQuesten Co., lumber.....	58.60

Mechling Bros. Manufacturing Co., Rocmac road binder	\$1,839.76	
Shirley Merrill, gravel.....	1.60	
New England Road Machinery Co., 1 crusher, less allowance for old crushers.....	1,400.00	
Supplies	6.60	
N. H. Cement Construction Co., building cement steps	55.00	
Milton C. Paige, gravel.....	402.70	
Palmer & Garmon, broken stone.....	1,681.16	
Pike & Heald Co., supplies.....	16.52	
Edgar W. Poore, repairing highway.....	5.45	
John Reardon, stone.....	1.50	
Robie Consolidated Concrete Co., concrete and repairs	6,269.96	
S. B. Stearns, insurance premiums.....	274.92	
The Texas Co., kerosene.....	171.90	
John H. Stevens, material and labor.....	6.88	
The Traffic Sign Co., traffic signals.....	105.00	
United Construction Co., 1 concrete mixer, dump bucket, and scarifier.....	1,300.00	
John B. Varick Co., tools and hardware.....	1,471.28	
Warren Bros. Co., bituminous cement.....	1,132.03	
West Side Lumber Co., lumber and posts....	243.59	
Paul Westenheim, gravel.....	177.40	
Winchester Rock & Brick Co., broken stone..	533.40	
Mrs. J. P. Young, water used while repairing street .....	.40	
		\$40,915.94
SUNDRIES.		
W. G. Berry, insurance premium.....	\$208.50	
Boston & Maine Railroad, freight.....	4,124.22	
Frank Courchesne, assistance in grading Eve street	65.00	
Albert F. Gale, settlement in full for injury to Howard K. Gale on highway, Brown avenue and Beech street, including damage to bicycle, and all medical fees.....	200.00	
Frank H. Jenness, balance due in settlement in full for injuries.....	80.00	
Manchester & Concord Express Co., charges..	2.62	
John A. Sheehan, insurance premium.....	119.50	
S. M. Wheeler, labor.....	10.00	
		\$4,809.84
Total expenditures		\$106,003.74

Snow and Ice and Cleaning Streets.

Appropriation	\$18,000.00	
Received for labor and material sold.....	4,954.49	
Transferred from unappropriated money.....	11,149.16	
		<u>\$34,103.65</u>

EXPENDITURES.

LABOR.

Division No. 2:

January	\$3,781.34	
February	2,881.29	
March	3,157.13	
April	3,485.72	
May	3,615.65	
June	777.89	
July	768.20	
August	1,037.09	
September	941.51	
October	496.46	
November	698.55	
December	1,247.12	
		<u>\$22,887.95</u>

Division No. 4:

January	\$47.55	
February	46.07	
March	51.15	
April	37.87	
		<u>\$182.64</u>

Division No. 5:

January	\$2.48	
February	9.96	
March	52.36	
April	45.02	
December	11.03	
		<u>\$120.85</u>

Division No. 5—A:

January	\$5.60	
February	10.40	
March	35.90	
April	24.88	
December	13.14	
		<u>\$89.92</u>

Division No. 7:

January	\$290.96	
February	455.75	
March	790.06	
April	755.86	
May	335.27	
June	21.04	
July	94.97	
August	83.37	
September	290.67	
October	138.66	
November	28.81	
December	300.49	
	<hr/>	\$3,585.91

Division No. 9:

January	\$71.08	
March	70.44	
April	92.16	
December	13.52	
	<hr/>	\$247.20

Division No. 10:

January	\$804.39	
February	614.12	
March	850.56	
April	1,060.31	
May	418.33	
June	361.25	
July	299.50	
August	242.83	
September	81.63	
October	241.42	
November	792.34	
December	492.67	
	<hr/>	\$6,259.35

SUNDRIES.

Manchester Coal & Ice Co., sand.....	\$525.00	
Henry W. Parker, salt.....	39.90	
John B. Varick Co., tools and hardware.....	144.49	
West Side Lumber Co., lumber.....	20.44	
	<hr/>	\$729.83
Total expenditures		<hr/> \$34,103.65 <hr/>

Watering Streets.

Appropriation	\$7,000.00	
Transferred from unappropriated money....	2,030.03	
		<u>\$9,030.03</u>

EXPENDITURES.**LABOR.****Division No. 2:**

May	\$261.69	
June	423.01	
July	557.03	
August	346.06	
September	139.76	
October	49.76	
November	45.91	
		<u>\$1,823.22</u>

Division No. 7:

May	\$60.00	
June	173.79	
July	242.74	
August	285.41	
September	292.02	
October	162.73	
		<u>\$1,216.69</u>

Division No. 10:

May	\$116.44	
June	208.27	
July	196.08	
August	258.06	
September	223.11	
October	146.16	
November	30.70	
		<u>\$1,178.82</u>

SUNDRIES.

American Car Sprinkler Co., use of sprinkler car	\$4,438.71	
Bunton & Bernard, concrete step at fountain	2.00	
Maxwell Ice Co., ice for fountains.....	180.00	
Charles F. McDonald, repairs and installing bubblers	190.27	
Henry W. Parker, potash.....	.32	
		<u>\$4,811.30</u>

Total expenditures	<u>\$9,030.03</u>
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Paving Streets.

Appropriation	\$12,500.00	
Received for material sold and labor.....	992.08	
Transferred from unappropriated money....	6,922.74	
		<u>\$20,414.82</u>

EXPENDITURES.**LABOR.**

Division No. 2:		
April	\$26.23	
May	4.28	
September	36.50	
		<u>\$67.01</u>
Division No. 7:		
October		\$34.62

SUNDRIES.

Charles A. Bailey, paving blocks.....	\$398.87	
Boston & Maine Railroad, freight.....	564.95	
Eastern Clay Goods Co., cement.....	312.24	
Abraham L. Garmon, gravel.....	719.39	
Omer Gregoire, sick leave, due to injury....	100.32	
Manchester Cement Block & Concrete Co., cobble stones	26.95	
Manchester Supply Co., pipe, etc.....	3.09	
N. H. Cement Construction Co., building re- taining wall	13.00	
Henry W. Parker, cement and salt.....	753.00	
Pease Company, paving blocks.....	326.97	
John B. Varick Co., wheelbarrows.....	25.15	
Warren Bros. Co., supplies and paving, Bridge street	17,069.26	
		<u>\$20,313.19</u>
Total expenditures		<u>\$20,414.82</u>

Macadamizing and New Highways.

Appropriation	\$12,500.00	
Appropriation, bonds, resolution July 28....	75,000.00	
Received for material sold and for labor....	3,657.81	
		<u>\$91,157.81</u>

EXPENDITURES.

LABOR.

Division No. 2:

January	\$1,124.42
February	1,045.45
March	518.76
April	295.22
May	925.64
June	883.61
July	2,384.79
August	3,394.21
September	1,769.09
October	2,072.52
November	3,608.74
December	3,213.60

\$21,236.05

Division No. 7:

September	\$170.73
October	164.74
November	744.25

\$1,079.72

Division No. 10:

January	\$287.02
May	55.49
August	390.64
September	387.02
October	1,213.69
November	201.89
December	425.26

\$2,961.01

Board of Public Works, November.....

\$87.50

James F. Cavanaugh.....

\$5,008.67

John Beard, foreman.....

\$491.26

SUNDRIES.

Acme Road Machinery Co., supplies.....	\$117.20
Amoskeag Manufacturing Co., fuel oil.....	14.50
Charles A. Bailey, 6 circles.....	18.42
Barrett Manufacturing Co., tarvia.....	675.45
Gedeon Beaudette, water used at ledge.....	7.10
Boston & Maine Railroad, freight, etc.....	3,943.70
Arsene Brunelle, water used at ledge.....	12.50
Buffalo Steam Roller Co., 1 steam road roller	4,500.00
C. A. Clafin Co., boiler tube, soot blower, and hose couplings	27.52
Concord Foundry & Machine Co., castings.....	5.18
J. E. Currier, curbing furnished.....	33.96

TABLE No. 9.
STREET PAVING (New).

Street.	Location.	Contractor.	Measured.	Bituminous Mixture.		Wood Blocks.	Street Railway.	Per square yard.	Total cost.
				Tarvia X Binder.	Asphalt Binder.				
				Square yards.	Square yards.	Square yards.	Square yards.		
Bridge*	Russell, east side, to Ashland, center line.....	City.....	Sept. 20, 1916	.....	1,681.87	.....	.....	\$2.75	\$4,625.14
Bridge*	Russell, east side, to Ashland, center line.....	City.....	Sept. 20, 1916	.....	459.88	.....	439.88	2.75	1,209.67
Bridge*	Russell, east side, to Ashland, center line.....	City.....	Sept. 20, 1916	.....	.....	144.22	144.22	3.30	475.93
Central*	Chestnut, west side, to Pine, west side.....	City.....	Dec. 8, 1916	.....	968.98	.....	.....	2.75	2,664.70
Central*	Chestnut, west side, to Pine, west side.....	City.....	Dec. 8, 1916	.....	239.39	.....	239.39	2.75	658.32
Central†	Chestnut, west side, to Pine, west side.....	City.....	Dec. 8, 1916	.....	.....	78.50	78.50	3.30	259.05
Concord*	Pine, east side, easterly.....	City.....	Dec. 8, 1916	.....	456.77	.....	.....	2.75	1,256.12
Douglas‡	Main, west side, to Dover, west side.....	City.....	Dec. 9, 1916	.....	684.78	.....	.....	2.75	1,883.14
Hampshire lane*	West Central, north side, to Pleasant, south side.....	City.....	Nov. 27, 1916	.....	337.35	.....	.....	2.75	927.71
Hanover*	West of Maple to Lincoln, west side.....	City.....	Nov. 25, 1916	2,102.06	.....	.....	.....	2.50	5,255.15
Kidder*	Elm, west side, to Canal, east side.....	City.....	Nov. 25, 1916	2,299.12	.....	.....	.....	2.50	5,747.80
Londonderry lane*	Nutfield lane, east side, easterly.....	City.....	Nov. 25, 1916	.....	547.98	.....	.....	2.75	1,506.94
Main, South, east side*	Log, south side, to Goffe, south side.....	City.....	Oct. 25, 1916	.....	889.81	.....	.....	2.75	2,446.98
Main, South, east side*	Log, south side, to Goffe, south side.....	City.....	Oct. 25, 1916	.....	72.34	.....	72.34	2.75	198.93
Main, South, west side†	South of Mast to Goffe, south side.....	City.....	Oct. 25, 1916	.....	.....	36.17	36.17	3.30	119.26
Main, South, west side*	South of Mast to Milford.....	City.....	Oct. 25, 1916	.....	769.34	.....	.....	2.75	2,115.69
Main, South, west side*	South of Mast to Milford.....	City.....	Oct. 25, 1916	.....	69.44	.....	69.44	2.75	190.96
Main, South, west side†	South of Mast to Milford.....	City.....	Oct. 25, 1916	.....	.....	34.72	34.72	3.30	114.58
Manchester*	Elm, east side, to east of Nutfield lane.....	City.....	Nov. 25, 1916	.....	388.09	.....	.....	2.75	1,067.25
Manchester*	Elm, east side, to east of Nutfield lane.....	City.....	Nov. 25, 1916	.....	113.59	.....	113.59	2.75	312.37
Manchester†	Elm, east side, to east of Nutfield lane.....	City.....	Nov. 25, 1916	.....	.....	39.21	39.21	3.30	129.39
Monadnock lane*	Nutfield lane, east side, easterly.....	City.....	Nov. 25, 1916	.....	196.62	.....	.....	2.75	540.70
Nutfield lane*	Manchester, south side, to Monadnock lane, south side.....	City.....	Nov. 25, 1916	.....	189.78	.....	.....	2.75	521.89
Nutfield lane*	Manchester, north side, to north of Londonderry lane.....	City.....	Nov. 25, 1916	.....	255.58	.....	.....	2.75	702.85
Pine*	Seneca lane, north side, to Amherst, center line.....	City.....	Dec. 8, 1916	.....	1,664.13	.....	.....	2.75	4,576.36
Spruce‡	Elm, east side, to Chestnut, west side.....	City.....	Sept. 19, 1916	.....	2,008.60	.....	.....	2.75	5,523.65
				4,401.18	11,974.32	332.82	1,267.46		\$45,030.63

*Laid on cement concrete base.

†Wood blocks laid two courses lengthwise inside and outside each rail on cement concrete base.

‡Laid on broken stone base.

§Wood blocks laid two courses lengthwise outside each rail on cement concrete base.

J. H. DeCourcy Coal Co., coal	\$2,346.76	
Joseph C. Demers, repairs, sundry houses....	71.69	
Thomas Doyle, sick leave, due to injury.....	18.02	
Dyar Supply Co., supplies	721.35	
Eastern Clay Goods Co., cement.....	624.48	
Essex Trap Rock & Construction Co., broken stone	858.71	
James Flanagan, sick leave, due to accident..	39.75	
Abraham L. Garmon, gravel.....	1,679.59	
Manchester & Concord Express Co., express on castings	2.24	
Manchester Machine Works, material and la- bor	37.99	
Manchester Supply Co., pipe	101.69	
Manchester Traction, Light & Power Co.:		
Electricity	188.29	
Labor connecting crusher at ledge.....	32.39	
Massachusetts Broken Stone Co., broken stone	2,294.87	
C. F. McDonald, furnishing and building iron fences	103.08	
Mechling Bros. Manufacturing Co., Roemac road binder	820.02	
N. E. Road Machinery Co., supplies.....	27.97	
John O'Leary, 12 hens killed by blasting.....	20.00	
Henry W. Parker, cement and lime.....	1,569.01	
Palmer & Garmon, broken stone.....	327.62	
Joseph Paquette, settlement of claim.....	28.10	
Pease Company, curbing.....	3,229.52	
Robie Consolidated Concrete Co., concrete and repairs	340.37	
Sanborn Carriage Co. truck tires.....	238.00	
Small & Ingalls, building Willow-Baker street to Londonderry line	4,195.88	
Standard Oil Co., fuel oil.....	145.88	
Mary E. Straw, curbing furnished.....	41.04	
United Construction Co., beams.....	180.00	
John B. Varick Co., hardware and tools.....	578.13	
E. Wagner & Co., repairing truck damaged by condition of street.....	28.80	
Warren Bros., Co., oil, cement, etc.	8,645.63	
Winchester Rock & Brick Co., stone.....	17.79	
		<hr/>
		\$38,910.19
Total expenditures	\$69,774.40	
Transferred to unappropriated money.....	21,383.41	
		<hr/>
		\$91,157.81
		<hr/>

Scavenger Service.

Appropriation	\$50,000.00	
Transferred from unappropriated money.....	5,487.46	
		<hr/>
		\$55,487.46

EXPENDITURES.**LABOR.****Division No. 2:**

January	\$2,816.92	
February	3,577.26	
March	3,151.97	
April	2,984.34	
May	3,854.73	
June	2,627.35	
July	2,440.60	
August	3,251.98	
September	2,627.13	
October	2,691.75	
November	3,597.58	
December	3,119.58	
		<hr/>
		\$36,741.19

Division No. 7:

January	\$17.18	
February	10.80	
March	4.20	
April	54.04	
May	52.62	
August	2.38	
September	18.01	
October	5.57	
		<hr/>
		\$164.80

Division No. 10:

May	\$13.63
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Board of Public Works:

January	\$120.42	
February	117.72	
March	112.86	
April	120.42	
May	125.40	
June	136.20	
July	128.40	
August	130.80	
September	136.20	
October	93.00	
		<hr/>
		\$1,221.42

SUNDRIES.

Amoskeag Manufacturing Co., material and labor	\$135.21
Ernest E. Austin, material and labor.....	12.03
Beacon Motor Car Co., supplies and repairs...	2,282.43
W. G. Berry, insurance premiums.....	1,216.16
Bisson & Jodoin, repairs.....	23.94
Boston & Maine Railroad, freight.....	33.90
Bunton & Bernard, building shanty, and re- pairing fence	118.22
Joseph Charland, sick leave, due to injury....	40.64
County & Dahlberg, damage to wagon and harness	6.15
Cornplanter Refining Co., gasoline.....	6,756.10
John Delisle, lost time, final settlement, per- sonal injury	12.00
Dyar Supply Co., 4 dump wagons, and 6 canvas covers	1,001.00
Gulf Refining Co., gasoline.....	625.63
Jeremiah Haley, sick leave, due to accident..	41.78
Kinney Manufacturing Co., special body for truck	600.00
Laport & Carpenter, laundry work.....	6.60
H. J. Lawson, repairs.....	46.43
Manchester & Concord Express Co., charges..	16.59
Manchester Auto Garage, special body for White truck	600.00
Manchester Machine Works, repairs, etc.....	13.92
Pike & Heald Co., material and repairs.....	54.22
Mrs. Napoleon P. Routhier, difference in sal- ary, Mr. Routhier, U. S. soldier (per vote of mayor and aldermen and board of public works)	190.00
Sanborn Carriage Co., repairs and supplies...	1,299.01
The Service Recorder Co., charts.....	5.15
John A. Sheehan, automobile insurance premi- um	158.70
James Stewart, lost time, due to injury.....	22.79
Austin Sullivan, lost time, due to injury.....	22.79
The Texas Co., gasoline.....	134.55
Thomas J. Tobin, full settlement for injury..	24.00
Troy Steam Laundry, washing and ironing suits	3.01
Valley Cemetery Trustees, settlement of claim for loss of supplies and tools, caused by fire in Willow street dump	71.16

John B. Varick Co., hardware, etc.....	\$429.00	
A. F. Wheat, M. D., attendance on J. Delisle...	13.00	
The White Co., supplies	1,230.31	
Charles E. Wilson, claim for accident while working for city	100.00	
		<hr/>
		\$17,346.42
		<hr/>
Total expenditures		\$55,487.46
		<hr/> <hr/>

Street Sweeping.

Appropriation	\$18,000.00	
		<hr/> <hr/>

EXPENDITURES.

LABOR.

Division No. 2:

January	\$114.24	
February	154.80	
March	109.92	
April	555.08	
May	1,844.48	
June	1,446.89	
July	1,537.25	
August	1,942.15	
September	1,558.40	
October	1,563.67	
November	1,969.82	
December	1,185.97	
		<hr/>
		\$13,982.67

SUNDRIES.

H. H. Andrews, lost time due to injury.....	\$61.48	
Boston & Maine Railroad, freight	1.86	
True W. Jones Brewing Co., hop cloth.....	3.50	
N. E. Road Machinery Co., refilling brooms...	66.00	
Leon C. Thompson, brooms and refilling.....	235.50	
Troy Steam Laundry, laundry work.....	3.22	
John B. Varick Co., steel, badges, suits.....	180.15	
Laport & Carpenter, laundry work.....	45.17	
		<hr/>
		\$596.88
		<hr/>

Total expenditures	\$14,579.55	
Transferred to unappropriated money.....	3,420.45	
		<hr/>
		\$18,000.00
		<hr/> <hr/>

Oiling Streets.

Appropriation	\$10,000.00	
Transferred from unappropriated money.....	4,242.38	
		<u>\$14,242.38</u>

EXPENDITURES.

LABOR.

Division No. 2:		
June	\$352.80	
July	500.94	
August	158.76	
September	14.89	
October	9.15	
		<u>\$1,036.54</u>

SUNDRIES.

Boston & Maine Railroad, car service and freight	\$42.15	
Indian Refining Co., liquid asphalt.....	532.12	
Kinney Manufacturing Co.:		
1 1000-gallon Auto Sprinkling, Oiling, and Flushing equipment	5,875.00	
Supplies	19.30	
Peoples Gas Light Co., "Holderoil".....	5.00	
Standard Oil Co., road oil.....	6,409.44	
Sanborn Cariage Co., automobile supplies.....	320.35	
John B. Varick Co., belt and belt hooks, etc...	2.48	
		<u>\$13,205.84</u>
Total expenditures		<u>\$14,242.38</u>

Bridges.

Appropriation	\$8,000.00	
Transferred from unappropriated money....	5,439.26	
		<u>\$13,439.26</u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$11.16	
February	34.48	
May	52.65	

September	\$71.41	
October	202.09	
November	253.08	
December	273.39	
	<hr/>	\$898.26
Division No. 4:		
August		\$16.46
Division No. 5:		
April	\$0.40	
November	8.86	
December	4.48	
	<hr/>	\$13.74
Division No. 9:		
April	\$16.68	
May	13.99	
	<hr/>	\$30.67
Division No. 10:		
September	\$2.62	
November	4.43	
	<hr/>	\$7.05
United Construction Company.....		\$861.65
Boston Bridge Works.....		\$1,161.60

SUNDRIES.

Amoskeag Manufacturing Co., material and labor	\$133.26	
Berlin Mills Co., lumber.....	951.21	
Boston & Maine Railroad, freight.....	1,605.60	
Clough & Parker, insurance premium.....	150.00	
Concord Foundry & Machine Co., castings....	1.65	
F. P. Lyons Iron Works, plates and labor....	39.00	
Manchester Coal & Ice Co., steel.....	180.00	
Henry W. Parker, cement.....	268.28	
Putnam & Laflamme, accident insurance premium	45.00	
U. S. Wood Preserving Co., wood paving blocks	6,113.20	
John B. Varick Co., nails and bolts.....	65.97	
West Side Lumber Co., plank, etc.....	560.56	
Woodstock Lumber Co., plank.....	336.10	
	<hr/>	\$10,449.83
Total expenditures		\$13,439.26
		<hr/>

Elm-Street Bridge.

Balance from last year unexpended.....	\$30,775.17	
Received from Boston & Maine Railroad....	17,146.78	
Received from Manchester Street Railway...	2,500.00	
		<hr/>
		\$50,421.95

EXPENDITURES.

LABOR.

January	\$2,122.37	
February	3,431.46	
March	2,045.41	
April	2,372.32	
		<hr/>
		\$9,971.56
Division No. 2:		
April	\$30.24	
May	181.83	
June	65.70	
July	67.82	
August	83.45	
September	66.76	
October	61.99	
		<hr/>
		\$557.79
Board of Public Works:		
January	\$142.80	
February	144.48	
March	135.60	
April	78.96	
		<hr/>
		\$501.84

SUNDRIES.

Boston Bridge Works, erection, labor and use of derrick car, etc., and tools.....	\$424.34
Boston & Maine Railroad, freight.....	1,344.41
Concord Foundry & Machine Co., castings and labor	1,709.90
J. H. DeCourcy Coal Co., coal.....	172.25
Dyar Supply Co., canvas covers.....	137.86
Abraham L. Garmon, gravel.....	544.18
Granite State Rubber Co., rubber boots....	19.02
Robert W. Hunt Co., mill and shop inspection of structural material.....	63.62
J. Hodge, whitewood.....	6.23
Manchester Coal & Ice Co., wood, coal, sand.	276.03

Manchester Machine Works, labor and material	\$22.28	
Manchester Supply Co., pipe, etc.....	63.76	
A. J. McKelvie, stove, pipe and labor.....	36.25	
Minwax Co., minwax waterproofing and cloth	793.51	
New England Telephone & Telegraph Co.,		
rental of telephone.....	17.70	
Henry W. Parker, cement.....	5,324.16	
Salt	6.90	
Bayard C. Ryder, sand.....	81.00	
Accident insurance premium.....	1,418.23	
John P. Snow, consulting engineer, services		
and expenses	80.64	
T. Stuart & Son Co., use of supplies, labor of		
superintendent, etc.	3,309.28	
Texas Oil Co., kerosene.....	22.83	
United Construction Co., steel beams.....	3,317.79	
John B. Varick Co., hardware and tools.....	539.61	
West Side Lumber Co., lumber.....	43.26	
Winchester Rock & Brick Co., stone.....	687.57	
		<hr/>
		\$20,462.61
Total expenditures	\$31,493.80	
Transferred to unappropriated money.....	18,928.15	
		<hr/>
		\$50,421.95
		<hr/>

City Teams.

Appropriation	\$22,000.00	
Received for labor and material sold.....	510.52	
Transferred from unappropriated money.....	5,657.91	
		<hr/>
		\$28,168.43
		<hr/>

EXPENDITURES.

LABOR.

Division No. 2:	
January	\$619.27
February	1,111.89
March	924.69
April	817.29
May	1,049.94
June	603.80
July	642.92

CITY TEAMS.

85

August	\$867.62	
September	522.41	
October	636.82	
November	1,205.96	
December	1,160.96	
	<hr/>	\$10,163.57
Division No. 10:		
January	\$12.79	
February	6.15	
	<hr/>	\$18.94

HAY AND GRAIN.

Adams Brothers	\$875.42	
Arthur S. Brown.....	1,109.63	
Rev. J. J. Buckley.....	68.00	
Cavanaugh Bros.	204.68	
F. H. Masse & Co.....	2,059.84	
McQuesten & Lewis	4,483.99	
Pine Grove Cemetery.....	152.77	
	<hr/>	\$4,483.99

HARNESSES AND REPAIRS.

Kimball Carriage Co.....	\$220.05	
Joseph Vogel & Co.....	2.15	
	<hr/>	\$222.20

VETERINARY EXPENSES, ETC.

Cavanaugh Brothers, horses.....	\$3,335.00	
Medicine	6.00	
George D. Darrah, D. V. S., services and medicine	81.15	
H. B. Dunton, D. V. S., professional services	22.50	
J. L. Golden, D. V. S., services and medicine..	39.75	
	<hr/>	\$3,484.40

FUEL, FREIGHT, LIGHTS.

Boston & Maine Railroad, freight.....	\$152	
J. H. DeCourcy Coal Co., coal.....	1,060.25	
Manchester Traction, Light & Power Co., electric lights at farm and stables.....	329.81	
New battery	37.93	
Peoples Gas Light Co., gas.....	7.20	
	<hr/>	\$1,436.71

SUPPLIES AND REPAIRS.

Aadding Supply Co., cable and piston rings....	\$9.60
Adams Brothers, shavings.....	2.50
Amoskeag Manufacturing Co., material and repairs	3.02
Ernest E. Austin, repairing car	42.48
Ray A. Barnes, shock preventers.....	85.00
The Billings-Chapin Co., 1 can "Driwal".....	4.75
Bisson & Jodoin, material and labor on truck.	53.20
S. F. Bowser & Co., Inc., gasoline tank, pump, etc.	1,211.16
Bunton & Bernard, laying asphalt shingles, and building forms to gasoline tank.....	146.00
Ernest A. Coleman, Gaso-Tonic.....	68.00
Cornplanter Refining Co., gasoline.....	166.42
S. P. Dodge Co., material and repairs.....	256.07
The G. H. Dyer Co., 1 carbon removing outfit..	18.00
The Eisner-Lenk Co., repairs and supplies....	14.20
Farrell Brothers, supplies and labor.....	24.43
Granite State Rubber Co., hose and inner tube	6.56
Hall Bros. Llewellyn Co., tubes and casings...	465.23
J. Hodge, lumber and labor.....	37.09
H. J. Lawson, repairing radiators.....	40.95
Manchester Auto Garage, supplies and repairs	1,860.93
Manchester Machine Works, labor and material	71.88
Manchester Supply Co., pipe	1.79
Manchester Welding Co., labor	3.50
F. H. Masse & Co., lime.....	1.30
C. F. McDonald, material and labor.....	21.10
Joseph McDonough, disinfectant	56.00
F. L. Noyes, roofing material and labor.....	158.10
Fred F. Osgood, old belting.....	1.63
F. F. Osgood Co., belting.....	12.50
Henry W. Parker, soap, salt, lime, ginger....	50.42
Pike & Heald Co., material and labor.....	30.51
Walter L. Roper, repairing plastering, city farm	3.00
Sanborn Carriage Co., automobile supplies, material and labor	443.89
George Schelzel, vulcanizing.....	29.80
D. F. Sullivan Auto Co., supplies and repairs..	39.48
The Texas Co., kerosene.....	10.35
Union Welding Co., oxygen and welding.....	26.00
John B. Varick Co., hardware and tools.....	2,034.36
West Side Lumber Co., lumber and labor....	95.51

 \$7,606.71

REPAIRS OF SEWERS.

87

INSURANCE PREMIUMS.

William G. Berry	\$214.33	
Ernest A. Merrill	38.00	
		<u>\$252.33</u>

SUNDRIES.

American Express Co., charges.....	\$91.22	
Cleophas Carrigan, lost time, due to injury...	96.00	
Olin H. Chase, registration of car.....	25.00	
Odilon Demers, automobile maintenance.....	250.00	
Valliere Ouellette, lost time, due to injury....	27.36	
B. E. Sanborn, M. D., professional services,		
Cleophas Carrigan	3.00	
A. F. Wheat, M. D., attendance on C. Carrigan	7.00	
		<u>\$499.58</u>
Total expenditures	\$28,168.43	<u><u></u></u>

Repairs of Sewers.

Appropriation	\$5,000.00	
Received for material and labor.....	1,248.96	
Transferred from unappropriated money.....	6,927.57	
		<u>\$13,176.53</u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$224.51	
February	396.53	
March	51.13	
April	216.45	
May	239.57	
June	449.11	
July	588.08	
August	719.05	
September	707.68	
October	678.38	
November	574.30	
December	853.15	
		<u>\$5,697.94</u>

Division No. 7:

March	\$4.59
May	2.25
October	9.85

 \$16.69

Division No. 10:

January	\$3.30
February	11.27
March	20.59
April	32.86
May	197.23
June	69.73
July	53.47
August	127.18
September	23.09
October	328.40
November	459.27
December	247.40

 \$1,573.79

SUNDRIES.

Ashosh Brothers, repairing sewer connection.	\$14.60
Boston & Maine Railroad, freight, etc.....	280.62
Bunton & Bernard, labor of mason building cesspools	16.80
Charles P. Chapman, settlement of all claims for labor in repairing sewer connection due to stoppage in main sewer.....	30.40
Concord Foundry & Machine Co., castings....	1,746.56
Rev. L. J. A. Doucet, repairing sewer connection	20.90
Dyar Supply Co., supplies.....	109.56
Charles S. Fifield, repairing damage due to sewer	9.80
Granite State Rubber Co., rubber boots.....	58.55
W. F. Head & Son, brick.....	348.22
Owen Kenney, paid for digging up roots from sewer	18.28
Manchester Coal & Ice Co., balance due on land and buildings, Amoskeag, with water rights and privileges	2,000.00
Manchester Supply Co., pipe, etc.....	20.93
C. F. McDonald, repairing sewer.....	36.90
F. F. Osgood Co., packing.....	1.50
Palmer & Garmon, cutting stone.....	6.83
H. W. Parker, cement.....	536.56

Pike & Heald Co., dippers.....	\$25.80	
Putnam & Laflamme, insurance premium.....	442.53	
John H. Stevens, pipe, etc.....	32.74	
John B. Varick Co., tools and hardware.....	87.48	
West Side Lumber Co., plank.....	42.55	
		<u>\$5,888.11</u>
Total expenditures	\$13,176.53	<u><u></u></u>

New Sewers.

Appropriation by bond resolution	\$25,000.00	
Transferred from unappropriated money.....	4,219.53	
		<u>\$29,219.53</u>

EXPENDITURES.**LABOR.****Division No. 2:**

January	\$433.35	
May	685.40	
June	1,776.79	
July	2,732.76	
August	1,074.78	
September	124.36	
November	710.68	
December	666.11	
		<u>\$8,204.23</u>

Division No. 7:

January	\$639.71	
February	204.31	
May	933.39	
June	1,081.49	
July	949.23	
August	139.14	
October	112.37	
November	595.03	
December	589.67	
		<u>\$5,244.34</u>

Division No. 10:

January	\$188.13	
March	143.07	
May	443.35	
June	208.99	

July	\$775.45
August	1,576.98
September	428.88
October	2.64

 \$3,767.49

SUNDRIES.

Charles A. Allen, use of water while building sewer	\$4.00
Amoskeag Manufacturing Co., tubing .....	.17
Joseph N. Auger, lost time due to accident....	39.75
Boston & Maine Railroad, freight.....	1,253.34
Concord Foundry & Machine Co., castings....	824.44
Dyar Supply Co.:	
Air compressor plant, complete.....	1,500.00
Supplies	220.97
Eastern Clay Goods Co., sewer pipe and cement	2,912.52
Granite State Rubber Co., rubber boots.....	26.20
W. F. Head & Son, brick.....	1,176.86
Ingersoll-Sergeant Drill Co., supplies.....	1,133.49
Manchester Supply Co., pipe.....	10.49
J. H. Mendell Co., masonwork.....	18.72
J. H. Mendell Engineering Co., masonwork...	17.64
F. L. Noyes, repairing roof, damaged by blasting	1.55
Henry W. Parker, cement	804.84
B. H. Piper Co., pick handles.....	22.50
Putnam & Laflamme, accident insurance premium	1,159.74
M. E. Sanctuary, repairing damage by blasting	14.85
S. B. Stearns, boiler insurance premium.....	103.50
John H. Stevens, 1 tee.....	.10
The Texas Co., kerosene	77.35
John B. Varick Co., tools, explosives, etc.....	658.07
Waldo Brothers, Inc., G. K. compound.....	15.01
West Side Lumber Co., lumber.....	5.37

 \$12,003.47

 Total expenditures \$29,219.53

Tannery Brook Sewer.

 Appropriation, 1915 bond issue..... \$30,000.00

EXPENDITURES.

LABOR.

October	\$1,505.22	
November	1,306.18	
December	818.75	
		<hr/>
		\$3,630.15

SUNDRIES.

Boston & Maine Railroad, freight	\$810.66	
Ernest W. Bowditch, services and expenses...	108.51	
Bunton & Bernard, erecting blacksmith shop and toilet	156.10	
Albert Dancause, lost time due to injury.....	4.77	
Dyar Supply Co., supplies.....	702.77	
Eastern Clay Goods Co., sewer pipe.....	1,267.89	
Granite State Rubber Co., rubber boots, etc...	126.06	
W. F. Head & Son, brick	409.06	
Manchester Supply Co., tees.....	1.03	
The Standard Paint Co., pipe seal compound..	56.54	
John B. Varick Co., dynamite, exploders, etc..	165.11	
Waldo Brothers, supplies.....	75.75	
		<hr/>
		\$3,884.25
		<hr/>
Total expenditures	\$7,514.40	
Balance to new account	22,485.60	
		<hr/>
		\$30,000.00
		<hr/>

Repairs of Sidewalks.

Appropriation	\$5,000.00	
Received for labor and material sold.....	231.74	
Transferred from unappropriated money....	64.59	
		<hr/>
		\$5,296.33
		<hr/>

EXPENDITURES.

SUNDRIES.

Boston & Maine Railroad, freight.....	\$43.12	
H. M. Haskell, labor.....	168.48	
Pease Company, curbing.....	362.99	
Robie Consolidated Concrete Co., concrete..	4,721.74	
		<hr/>
		\$5,296.33
		<hr/>
Total expenditures	\$5,296.33	
		<hr/>

Flushing Streets.

Appropriation	\$3,000.00
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EXPENDITURES.**LABOR.**

Division No. 2:

May	\$98.40	
June	82.95	
July	66.76	
August	83.45	
September	66.76	
October	66.76	
November	40.54	
		\$505.62

SUNDRIES.

American Car Sprinkler Co., use of car sprinkler four months	\$1,400.00
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Total expenditures	\$1,905.62
Transferred to unappropriated money.....	1,094.38

	\$3,000.00
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Commons.

Appropriation	\$7,500.00
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EXPENDITURES.**LABOR.**

January	\$69.36	
February	53.04	
March	130.08	
April	216.24	
May	300.55	
June	200.85	
July	174.89	
August	252.44	
September	198.91	
October	238.21	
November	270.04	
December	49.02	
		\$2,153.63

Division No. 2:

August	\$57.42
John Seastrom, superintendent.....	\$900.00

SUNDRIES.

F. J. Bixby, plants.....	\$318.24	
Boston & Maine Railroad, freight.....	3.80	
Concord Foundry & Machine Co., castings....	18.75	
H. B. Dunton, D. V. S., 1 visit.....	2.00	
Henry B. Fairbanks, fertilizer.....	47.20	
Manchester Traction, Light & Power Co., electric lights and lamps.....	101.25	
A. A. Mooney Furniture Co., folding chairs...	4.50	
Robie Consolidated Concrete Co., concrete...	823.89	
John A. Sheehan, insurance premium.....	6.00	
John B. Varick Co., tools and hardware.....	88.58	
		\$1,414.21
Total expenditures		\$4,525.26
Transferred to unappropriated money.....		2,974.74
		\$7,500.00

Stark Park.

Appropriation	\$2,000.00
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EXPENDITURES.

LABOR.

February	\$9.12	
April	18.00	
May	73.39	
June	153.95	
July	93.82	
August	301.32	
September	99.36	
October	107.05	
November	129.04	
December	33.64	
		\$1,018.69

Division No. 2:

June	\$54.11
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SUNDRIES.

F. J. Bixby, plants.....	\$126.12	
Boston & Maine Railroad, freight.....	3.80	
H. B. Fairbanks, fertilizer.....	47.20	
John B. Varick Co., tools, etc.....	17.00	
		<hr/>
		\$194.12
Total expenditures	\$1,266.92	
Transferred to unappropriated money.....	733.08	
		<hr/>
		\$2,000.00
		<hr/> <hr/>

Derryfield Park.

Appropriation	\$2,000.00
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EXPENDITURES.

LABOR.

January	\$34.32	
February	103.08	
April	17.52	
May	89.03	
June	52.99	
July	104.39	
August	206.39	
September	180.36	
October	87.45	
November	91.15	
December	270.56	
		<hr/>
		\$1,237.24

Division No. 2:

June	\$58.58
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SUNDRIES.

W. G. Berry, insurance premium.....	\$5.00
F. J. Bixby, plants.....	38.28
Boston & Maine Railroad, freight.....	3.80

LAFAYETTE PARK.

95

H. B. Fairbanks, fertilizer	\$47.20	
A. P. Horne & Co., shrubs.....	7.50	
John B. Varick Co., arsenate of lead.....	16.00	
		<u>\$117.78</u>
Total expenditures		\$1,413.60
Transferred to unappropriated money.....		586.40
		<u>\$2,000.00</u>

Lafayette Park.

Appropriation	<u>\$1,500.00</u>
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EXPENDITURES.

LABOR.

March	\$6.48	
April	21.60	
May	44.24	
June	49.53	
July	32.84	
August	45.57	
September	45.83	
November	40.54	
		<u>\$286.63</u>
Division No. 10:		
April		\$1.53

SUNDRIES.

F. J. Bixby, plants.....	\$68.16	
A. P. Horne & Co., shrubs.....	27.25	
C. F. McDonald, repairing pipe and installing bubbler	2.60	
John B. Varick Co., seed.....	10.15	
		<u>\$108.16</u>
Total expenditures		\$396.32
Transferred to unappropriated money.....		1,103.68
		<u>\$1,500.00</u>

Prout Park.

Appropriation	\$400.00
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EXPENDITURES.**LABOR.**

May	\$11.90
July	31.58
September	20.31
October	2.38
November	9.54
	<hr/>
	\$75.71

SUNDRIES.

Bunton & Bernard, laying asphalt shingles on barn	\$69.00
F. L. Noyes, asphalt shingles.....	135.00
Philip C. Lockwood, insurance premium.....	15.63
	<hr/>
	\$219.63
Total expenditures	\$295.34
Transferred to unappropriated money.....	104.66
	<hr/>
	\$400.00

Rock Rimmon Park.

Balance from last year unexpended.....	\$5,060.94
Appropriation	2,000.00
	<hr/>
	\$7,060.94

EXPENDITURES.**LABOR.**

Division No. 2:	
June	\$35.64

WEST SIDE PARK.

97

SUNDRIES.

John B. Varick Co., arsenate of lead.....	\$17.00
Total expenditures	\$52.64
Balance to new account.....	7,008.30
	<u>\$7,060.94</u>

East Side Park.

Appropriation	\$100.00
Transferred from unappropriated money....	400.35
	<u>\$500.35</u>

EXPENDITURES.

LABOR.

April	\$4.32
May	7.42
June	21.73
July	49.01
August	83.46
September	66.77
October	66.76
November	94.30
December	19.07
	<u>\$412.84</u>

SUNDRIES.

F. J. Bixby, plants.....	\$83.76
A. P. Horne & Co., shrubs.....	3.75
	<u>\$87.51</u>
Total expenditures	\$500.35

West Side Park.

Appropriation	\$500.00
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EXPENDITURES.

LABOR.

April	\$4.32	
May	4.76	
		<hr/>
		\$9.08
Total expenditures		<hr/>
		\$9.08
Transferred to unappropriated money.....		490.92
		<hr/>
		\$500.00
		<hr/>

Walker Park.

Appropriation	\$10,000.00
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EXPENDITURES.

Ellen P. & Charles Howe, A. M. & H. C. Walker, payments on bonds to city for conveyance of Walker land and buildings to said city, as set out in said bond.....	\$10,000.00
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Miscellaneous Playgrounds.

Appropriation	\$3,000.00	
Transferred from unappropriated money.....	50.61	
	<hr/>	
		\$3,050.61
		<hr/>

EXPENDITURES.

LABOR.

January	\$177.40	
February	253.80	
March	141.16	
May	40.26	
June	4.77	
July	276.15	
August	1,036.56	
September	390.95	
October	34.25	
December	4.76	
	<hr/>	
		\$2,360.06

SUNDRIES.

Amoskeag Manufacturing Co., rent of land...	\$2.00
The Barton Co., cotton, thread, needles, etc..	12.80
Milton Bradley Co., basket bases, reeds and dyes	24.75
Bunton & Bernard, erecting shelters.....	48.60
Harrie H. Clement, cash paid for supplies....	5.00
Joel S. Daniels, cardboard.....	1.92
Harry J. Danforth, 1 valve, 1 ball, 5 ball pumps	3.25
William E. Downs, 1 card sign.....	.35
James W. Hill Co., doilies.....	1.67
Johnson Sign Shop, cards and score boards...	5.50
C. B. Kearns, repairing footballs.....	1.35
Philip C. Lockwood, insurance premium.....	15.63
Carl Martinson, lost time due to injury.....	22.80
Manchester Street Railway, car tickets.....	32.50
C. F. McDonald, repairing and installing bub- blers, shutting off water, etc.....	53.08
F. E. Nelson Co., 5 megaphones.....	.50
Hattie M. Richards, settlement for damage to house by children at play.....	2.90
Ruemely Press, printing reports and programs	23.50
Star Stamp Co., badges.....	11.20
M. H. Towle, M. D., professional services.....	5.00
John B. Varick Co., game supplies, paint, etc..	326.72
H. G. Van Norden:	
Cash paid for watermelon.....	.40
Expenses to Boston and return.....	2.52
West Side Lumber Co., lumber for sundry shelters	79.93
F. W. Woolworth & Co., silk floss, dresses, etc.	6.68
	<hr/>
	\$690.55
Total expenditures	<hr/>
	\$3,050.61

Winter Playgrounds.

Appropriation	\$1,000.00
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EXPENDITURES.

Transferred to unappropriated money.....	\$1,000.00
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Brown-Tail Moth.

Appropriation	\$4,000.00	
Received for taxes	3,183.24	
		<u>\$7,183.24</u>

EXPENDITURES.**CONTRACT AND PRIVATE WORK REMOVING NESTS.**

Daniel F. Cronin	\$5,649.35
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INSPECTORS ON PRIVATE AND CONTRACT WORK.

James Booth	\$54.00	
Cornelius Hogan	77.25	
Thomas A. Hurley	101.25	
Claude Kidder	227.25	
Michael A. Lynch	50.75	
Martin J. Lyons	142.75	
Denis Vigneault	212.50	
		<u>\$865.75</u>

REBATE ON TAX BILLS.

John Britton	\$0.23	
Henry B. Fairbanks	10.25	
Delima Favreau	2.00	
Joseph A. Gagnon .....	.90	
Augusta J. Gray	4.05	
Mrs. Susie E. Hadcock .....	.50	
Alexander Jacques	2.70	
Katherine Leahy	1.36	
F. W. McKinley	2.70	
N. H. Improvement Co.	6.30	
Joseph & Hermine Pinsonneault .....	.90	
Philander Sanborn	1.35	
		<u>\$33.24</u>

SUNDRIES.

John B. Clarke Co., printing and binding.....	\$55.00	
Manchester Traction, Light & Power Co., putting up, taking down, caring for and emptying open globes, etc.....	165.00	
John B. Varick Co., creosote.....	1.75	
John R. Willis, P. M., stamped envelopes.....	94.18	
		<u>\$315.93</u>
Total expenditures	\$6,864.27	
Transferred to unappropriated money.....	318.97	
		<u>\$7,183.24</u>

Gypsy Moth.

Appropriation	\$1,000.00	
Received for taxes and labor.....	1,839.04	
Transferred from unappropriated money.....	558.75	
		<u>\$3,397.79</u>

EXPENDITURES.**CONTRACT FOR SPRAYING TREES.**

Daniel F. Cronin	\$3,380.45
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SUNDRIES.

John B. Varick Co., creosote.....	\$17.34
Total expenditures	<u>\$3,397.79</u>

Elm-Leaf Beetle.

Appropriation	\$2,000.00	
Transferred from unappropriated money.....	2,811.10	
		<u>\$4,811.10</u>

EXPENDITURES.**SUNDRIES.**

D. F. Cronin, spraying trees	\$4,247.60	
John B. Varick Co., arsenate of lead.....	563.50	
		<u>\$4,811.10</u>
Total expenditures		<u>\$4,811.10</u>

Cutting and Trimming Trees.

Appropriation	\$2,000.00	
Received for labor	34.37	
Transferred from unappropriated money.....	783.76	
		<u>\$2,818.13</u>

EXPENDITURES.

LABOR.

Division No. 2:

January	\$108.33
February	87.04
March	135.49
April	42.31
May	199.98
June	148.96
July	150.88
August	327.01
September	261.44
October	171.85
November	455.30
December	404.02

 \$2,492.61

Division No. 10:

October	\$61.19
November	55.83
December	23.43

 \$140.45

SUNDRIES.

Harrie H. Clement, cash paid for taking down broken tree limb.....	\$3.00
W. G. Colcord, filing and setting saws.....	5.40
J. Hodge, repairing fence, damaged.....	2.08
F. L. Noyes, repairing roof, gutter, etc.....	10.44
Putnam & Laflamme, accident insurance pre- mium	162.24
John B. Varick Co., hardware.....	1.91

 \$185.07

 Total expenditures \$2,818.13

Spraying Trees.

Appropriation	\$1,000.00
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EXPENDITURES.

Transferred to unappropriated money.....	\$1,000.00
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Lighting Streets.

Appropriation	\$57,335.00
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EXPENDITURES.

ELECTRIC LIGHTS.

Manchester Traction, Light & Power Co.:

	Charges.	Discount.	
January	\$4,529.39	\$2.68	
February	4,609.17	4.65	
March	4,609.17	1.05	
April	4,609.17	1.93	
May	4,609.17	1.19	
June	4,609.17	1.54	
July	4,628.65	1.58	
August	4,650.71	3.53	
September	4,652.08	10.65	
October	4,660.00	2.42	
November	4,662.09	1.54	
December	4,662.09	1.60	
	<hr/>		
	\$55,490.86	less \$34.36	\$55,456.50

ARCHES.

Manchester Traction, Light & Power Co.:

January	\$77.57	
February	79.94	
March	70.44	
April	71.63	
May	66.40	
June	60.47	
July	60.23	
August	58.33	
September	59.28	
October	65.22	
November	69.02	
December	71.63	
	<hr/>	\$810.16
Manchester Traction, Light & Power Co.:		
Lamps and labor		\$116.70

SUNDRIES.

H. W. Eager, car hire.....	\$12.75	
Hanover Street Garage, car hire.....	12.50	
Bertha E. Rowell, clerical services.....	7.50	
E. A. Stratton Co., printing slips.....	10.00	
		<hr/>
		\$42.75
Total expenditures	\$56,426.11	
Transferred to unappropriated money.....	908.89	
		<hr/>
		\$57,335.00
		<hr/> <hr/>

Engineer's Department.

Appropriation	\$12,000.00
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EXPENDITURES.

LABOR.

Samuel J. Lord, general engineer.....	\$1,049.98	
H. F. Bailey.....	555.82	
J. J. Bresnahan.....	56.25	
Frank Carr	492.73	
R. C. Cole.....	92.50	
Alfred T. Dodge.....	1,110.50	
Harold M. Haskell.....	666.48	
Clarence Kean	152.88	
Edson W. Keith.....	853.40	
David S. Keith.....	337.60	
John J. McAllister.....	732.58	
Maurice R. Shepard.....	387.22	
F. N. Spaulding.....	27.50	
E. R. Wagner.....	144.13	
George W. Wales.....	1,350.00	
Henry Worthen	1,038.07	
H. M. Worthen.....	72.00	
Harrie M. Young.....	1,260.00	
		<hr/>
		\$10,379.64

SUNDRIES.

Amoskeag Manufacturing Co., sharpening transit points	\$0.80	
W. G. Berry, insurance premiums.....	246.76	
Olin H. Chase, chauffeur licenses.....	2.00	
John B. Clarke Co., printing reports.....	70.72	
Cards	9.25	
W. G. Classon, curveograph and triangle....	15.65	
Alfred T. Dodge, cash paid for chauffeur license	1.00	
Clinton I. Dow, 1 Go-Motor speeder.....	10.00	
Julien P. Friez, record sheets.....	5.25	
Frost & Adams Co., paper, etc.....	10.74	
Harry L. Gould, bench mark report, 1916....	20.00	
W. P. Goodman, books and stationery.....	5.87	
J. Hodge, signboards.....	50.00	
The Keystone Press, printing.....	5.00	
B. L. Makepeace, blueprint paper.....	19.27	
Manchester Coal & Ice Co., ice.....	5.00	
Manchester Hardware Co., nails.....	1.25	
Manchester Traction, Light & Power Co., repairing fan	1.10	
C. F. McCarty, lettering signs.....	15.90	
Monroe Calculating Machine Co., 1 Monroe calculating machine	250.00	
New England Telephone & Telegraph Co., rental of extension set and tolls.....	6.40	
Nicholson & O'Neill, 2 table covers.....	3.00	
Novelty Company, typewriter ribbons and index	2.75	
Pike & Heald Co., tin, solder and labor.....	4.43	
Ruemely Press, printing.....	11.50	
D. F. Sullivan Auto Co., 1 Ford car.....	360.00	
Supplies	162.06	
Temple & Farrington Co., binding books.....	45.25	
John B. Varick Co., hardware, tools, numbers	70.17	
Walldorf, Hafner & Schultz, Inc., supplies..	61.94	
Walker Lithograph & Publishing Co., maps and corrections	58.30	
Interest charges on stones containing maps	81.00	
Harrie M. Young, cash paid for postage.....	8.00	
		\$1,620.36
Total expenditures	\$12,000.00	

Health Department.

Appropriation	\$22,000.00	
Transferred from unappropriated money....	1,104.77	
		<u>\$23,104.77</u>

EXPENDITURES.

SERVICES.

Members of Board:

William K. Robbins.....	\$380.00
Emile A. Sylvain, M. D.....	380.00
Timothy F. O'Connor.....	380.00

Health Officer:

Robert N. Hoyt.....	1,125.00
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Sanitary Inspectors:

William B. Blake.....	999.99
Joseph X. Duval.....	999.99
John F. Looney.....	999.99

Plumbing and Milk Inspector:

Carl O. Seaman.....	1,200.00
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Clerk:

M. Alma Fracker.....	780.00
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\$7,244.97

TEAMS AND CAR FARES.

W. B. Blake.....	\$12.75
Boufford, Letendre & Co.....	33.50
Caron & Lambert.....	6.00
Joseph X. Duval.....	4.85
J. D. French.....	5.00
John F. Looney.....	6.50
Carl O. Seaman.....	4.80

\$73.40

PRINTING AND STATIONERY.

John B. Clarke Co., printing.....	\$336.40
Cheney's News and Book Shop, board clips..	5.25
George D. Fitts, books and stationery.....	13.00
W. P. Goodman, stationery.....	32.43
Robert N. Hoyt, cash paid for printing.....	1.25
Johnson Paper Co., cards, bands, etc.....	7.03
H. Lesink & Co., printing cards in Polish....	1.50
Carl S. Magoon, carbon paper and ribbons...	5.15
Sampson & Murdock Co., 1 directory.....	5.00

Sun Printing Co., printing cards in Greek.....	\$1.50
E. A. Stratton Co., printing.....	98.25
Williams Printing Co., license blanks.....	10.00

\$516.76

OFFICE EXPENSES, SUPPLIES, ETC.

J. J. Abbott, pasting maps.....	\$1.00
American Express Co., express charges.....	13.65
American Association for Study and Prevention of Infant Mortality, transactions of sixth annual meeting.....	3.11
American Medical Association, 1,000 pamphlets	16.80
Amoskeag Manufacturing Co., sulphuric acid	8.37
Ernest E. Austin, magnets.....	2.00
Bacteriological Laboratory, blood serum.....	3.00
Henry Bergeron, serum, swabs, etc.....	8.50
W. B. Blake, cash paid for soap.....	.25
Brodie Electric & Automobile Co., supplies and repairs	142.87
Carter, Rice & Co., gummed paper.....	19.80
C. W. Colby, cartage.....	2.50
Creamery Package Manufacturing Co., discs for sediment tester.....	1.20
Refrigerating cases	4.30
Harry J. Danforth, auto and photographic supplies	13.10
Digestive Ferments Co., supplies for laboratory	6.90
S. P. Dodge Co., material and repairs.....	1.65
H. E. Dunnington, tongue depressors.....	1.80
Joseph X. Duval, cash paid:	
Milk and cream samples.....	70.81
Expenses to sundry cities.....	24.83
Supplies	4.17
Educational Exhibition Co., map pins.....	6.80
A. L. Franks & Co., electrical supplies and labor	13.50
M. Alma Fracker, cash paid for laundry, express, freight, postage, etc.....	82.69
L. M. Folsom, crash.....	7.67
Globe Tire Service Co., tire, and repairs	21.69
C. H. Goldthwaite & Co., tongue depressors...	12.00
Granite State Rubber Co., sheeting, hose....	16.28
Granite State Paper Co., bags and napkins...	5.67
Gustave Hecker, washing automobile.....	3.00

James W. Hill Co., gauze and pins.....	\$9.68
Charles A. Hoitt Co., filing cabinet, stools, desk, chair, basket.....	99.95
J. J. Holland, vaccine points.....	8.88
H. P. Hood & Sons, milk caps.....	1.00
Robert N. Hoyt, cash paid:	
Expenses to convention, New York city.....	20.00
Supplies	6.03
International Instrument Co., supplies for milk inspector	22.24
William Lightbody, M. D., diphtheria exami- nations	6.00
Manchester Street Railway Co., car tickets...	10.00
Manchester Traction, Light & Power Co., elec- tric lights	21.19
Manchester & Concord Express Co., charges..	.30
George H. McNamara, 1 tire.....	14.50
Meinecke & Co., cups and holders.....	5.00
W. L. Miner, washing automobiles.....	14.25
New England Telephone & Telegraph Co., use of telephones	122.30
S. H. Pelletier, automobile insurance pre- mium	88.23
Peoples Gas Light Co., gas.....	12.20
Pike & Heald Co., 1 sheet tin.....	.40
A. J. Precourt, medical supplies.....	60.22
Public Health Laboratory, swabs for diph- theria cultures	7.50
Railroad Square Garage, balance due on ex- change of car	700.00
Sampson-Soch Co., coat, rubber apron, etc....	3.75
Schieffelin & Co., formaldehyde and silver ni- trate	102.88
Carl O. Seaman:	
Cash paid for supplies and expenses.....	40.41
Use of automobile	44.00
D. F. Shea, rubber boots	3.00
J. W. Staniford & Co., papettes.....	4.58
D. F. Sullivan Auto Co., supplies.....	21.76
E. A. Sylvain, M. D., expenses to convention, New York city	23.50
Taylor Instrument Companies, charts.....	6.74
State of New Hampshire, auto plate.....	1.00
Arthur H. Thomas Co., laboratory supplies..	107.78
F. H. Thomas Co., 1 gown, etc.....	4.36
Travelers Insurance Co., insurance premium..	20.57
United States Tire Co., supplies.....	3.00

John B. Varick Co., hardware, etc.....	\$131.93	
Vermont Farm Machinery Co., laboratory supplies	4.00	
Walsh & Cummings, antitoxin and supplies...	114.04	
Water Commissioners, gasoline, oil, rent of garage	369.03	
		<hr/>
		\$2,756.11

ISOLATION HOSPITAL.

J. N. Brown, weighing coal.....	\$2.50	
W. E. Dunbar & Sons, coal	60.00	
C. A. & A. W. Flint, wood	44.50	
L. M. Folsom, robes, cotton, etc.....	12.83	
M. Alma Fracker, cash paid for supplies.....	3.90	
Harral Soap Co., "Lisapol".....	5.35	
James W. Hill Co., cheese cloth, etc.....	13.23	
C. A. Hoitt Co., shades.....	18.50	
E. W. Lewis, Dutch cleanser.....	.40	
E. F. Mahady Co., 1 month gag, and repairs...	1.85	
Manchester Coal & Ice Co.:		
Coal	237.96	
Ice	72.19	
Manchester Traction, Light & Power Co.:		
Electric lights	205.45	
Repairing iron and heating pads.....	2.50	
Joseph Marcoux, care of heater	87.50	
A. J. McKelvie, labor on range.....	2.75	
Moore & Preston Coal Co., coal	229.64	
F. E. Nelson Co., brushes, bed socks, glass-ware	11.16	
New England Telephone & Telegraph Co., service	23.51	
A. J. Precourt, medicine	136.37	
C. L. Ruiter, oranges .....	.80	
James A. Scully, 1 chiffonier	5.98	
A. D. Sherer, care of heater.....	28.00	
John H. Stevens, flue brush, shaker socket....	2.23	
Mrs. Mary L. Varney:		
Services as matron.....	360.00	
Board of sundry persons	2,092.59	
Harry E. Wheeler, ice cream.....	1.75	
John R. Willis & Co., wood	4.50	
		<hr/>
		\$3,667.94

NURSES AT ISOLATION HOSPITAL.

Bertha Bruce	\$21.00	
Margaret J. Bruce	66.00	
Margaret A. Carroll	9.00	
Anna M. Connor	33.00	
Margaret E. Cronin	24.00	
Lucy H. Cronin	474.00	
Jessie Edwards	24.00	
Clara E. Forbes	216.00	
Aurea Gagnon	147.00	
Mrs. Annie G. Hurley	72.00	
Mary J. Hurley	540.00	
Hilma Jeanson	90.00	
Mary L. McCarthy	258.00	
Winifred Murphy	15.00	
Otilda Pillsbury	378.00	
Mary Reardon	132.00	
Mary J. Reilly	36.00	
Alma Schunemann	15.00	
		<hr/>
		\$2,550.00

PEST HOUSE.

F. C. Curtis, laundry work	\$2.00	
W. E. Dunbar & Sons, wood.....	4.50	
M. A. Fracker, paid for cleaning.....	2.10	
Carl A. Friborg, groceries	9.63	
Robert N. Hoyt, cash paid for supplies.....	4.90	
Manchester Coal & Ice Co., ice.....	.38	
Manchester Traction, Light & Power Co., elec- tric lights	12.60	
New England Telephone & Telegraph Co., use of telephone	19.17	
Alma Schunemann, services as nurse	26.00	
A. D. Sherer, repairing pipe.....	1.50	
C. D. Steele, groceries.....	2.13	
Emile A. Sylvain, M. D., vaccinations and vis- its	606.20	
		<hr/>
		\$691.11

MEDICAL INSPECTORS OF SCHOOLS.

W. L. Biron, M. D.	\$282.10	
Clarence O. Coburn, M. D.	304.85	
R. H. Dillon, M. D.	304.85	
F. P. Scribner, M. D.	709.20	
E. C. Tremblay, M. D.	277.20	
Norman B. Webber, M. D.	267.75	
		<hr/>
		\$2,145.95

SCHOOL NURSES.

Elena M. Crough, services as nurse.....	\$555.00	
Elena M. Crough, paid for pictures and printing	2.25	
Nora Danforth, services as nurse.....	555.00	
M. Alma Fracker, paid for car tickets.....	115.00	
Mrs. M. S. Fortin, services as nurse.....	180.00	
Nettie G. Gorham, services as nurse.....	180.00	
Annie G. Hurley, services as nurse.....	180.00	
Exina Larivee, services as nurse	555.00	
A. J. Precourt, supplies	17.22	
F. W. Woolworth & Co., supplies.....	4.50	
		<hr/>
		\$2,343.97

INFANT WELFARE NURSES.

Mrs. Mary Davis, services as nurse.....	\$45.00	
Zepherine Lupien, services as nurse.....	50.00	
Nora McQuade:		
Services as nurse	720.00	
Paid for interpreter, etc.....	9.35	
		<hr/>
		\$824.35

SUPPLIES FOR ISOLATED FAMILIES.

P. Bellefeuille, groceries.....	\$4.83	
E. C. Blake Co., milk	4.48	
Mrs. M. J. Dow, services as nurse.....	4.00	
Dionne & Brule, groceries	6.28	
E. C. Haskell & Co., wood	3.00	
Hillside Farm Co., milk.....	2.07	
Kearns' Market, groceries	47.97	
Kelley Street Market, groceries	20.13	
Moore & Preston Coal Co., coal.....	3.88	
Parnell Brothers, groceries	54.71	
Raiche & Prince, coal	4.80	
Rivard's Market, groceries.....	25.43	
Joseph Trahan, groceries	36.13	
Mrs. Annie Young, services as nurse.....	7.00	
		<hr/>
		\$224.71

SUNDRIES.

Auditorium Theatre:		
Use of theatre	\$25.00	
Special officer	2.00	

D. C. Norton, M. D., treating two cases opthal-		
mia	\$8.50	
W. T. Sedgewick, address at theatre.....	30.00	
		<hr/> \$65.50
Total expenditures		<hr/> \$23,104.77 <hr/>

City Library.

Appropriation	\$19,000.00
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EXPENDITURES.

LIBRARIAN AND ASSISTANTS.

F. Mabel Winchell, librarian	\$1,200.00	
Sidney S. Anthony	30.05	
Ruth H. Bartlett	540.00	
Susan E. Bartlett	460.00	
Arthur B. Blaine	98.00	
Harold F. Blakey	255.50	
Elwin Chesley	148.25	
Caroline B. Clement	751.00	
Ruth Dudley	546.00	
Mildred C. Farr	456.00	
Winnifred Farrell	286.00	
Mildred Gonyeau	87.84	
Margaret Grant	605.00	
C. F. Hamer	96.00	
Mary E. Holland	357.75	
Harold Kallander	32.70	
Maria F. Kidder	549.23	
Gladys Lane	416.50	
Gladys Lane Doane	11.50	
M. Nellie May	184.00	
Mary N. McClure	162.00	
Max McConachie	127.15	
Bernice F. Putnam	185.75	
Edward S. Porter	115.88	
Mary Ray	56.00	
Jennie M. Read	736.00	
Adelia Reid	645.00	
Barbara Sutcliffe	46.00	
S. May Tuck	456.00	
Winnifred R. Tuttle	392.00	
Clara G. Wilson	473.50	
		<hr/> \$10,506.60

JANITORS AND ASSISTANTS.

Mrs. Austin	\$7.30
Mrs. Charles Blakey	76.35
John Broderick	780.00
Mrs. Algot Lindstrom	39.30
Elenora Petersen	48.25
Michael Sullivan	780.00
Mrs. Sarah G. Whittemore	5.00

 \$1,736.20

INSURANCE, FUEL, LIGHTS, TELEPHONE.

L. B. Bodwell, coal	\$531.90
Clarence M. Edgerly, insurance premium.....	124.00
Manchester Traction, Light & Power Co., electric lights	851.84
Moore & Preston Coal Co., coal	558.21
New England Telephone & Telegraph Co., service	18.00
Peoples Gas Light Co., gas	6.50

 \$2,090.45

SUNDRIES.

F. J. Barnard & Co., supplies and binding books	\$62.36
The Barton Co., couch, couch cover, mattress, muslin, cheese cloth	54.45
Bay State Paper Co., paper.....	39.88
J. N. Brown, weighing coal	8.75
L. M. Bagley, cartage	1.50
R. R. Bowker Co., subscriptions and book lists	13.00
City News Co., Boston Sunday Herald.....	3.50
Frank Chapman, material and labor.....	80.53
Cheney's News & Book Shop, Boston Transcript	9.00
John B. Clarke Co.:	
Printing, binding, etc.	458.81
Daily Mirror, one year	5.00
Herbert M. Corning, cartage	29.80
Dustwax Manufacturing Co., dustwax.....	3.00
Farrell Brothers, supplies and labor	18.30
A. L. Franks & Co., material and labor.....	58.70
George D. Fitts, stationery	8.85
Gaylord Brothers, supplies.....	82.30
Herman Goldberger, periodicals	603.10
W. P. Goodman, books and supplies.....	35.35
Walter E. Graf, trucking books.....	46.77

Charles A. Hoitt Co., 1 pillow, 18 chairs.....	\$41.50	
H. R. Huntting Co. Inc., shellac, brush and jar	2.50	
India Alkali Works, supplies	6.00	
John Lane, 4 copies Int. Studio.....	2.00	
Library Bureau, cases, accession book	373.61	
Manchester Bindery Co., binding books.....	21.10	
Manchester Hardware Co., supplies.....	45.48	
Manchester Traction, Light & Power Co., lamps	33.90	
Maxwell Ice Co., ice	3.00	
Monitor & Statesman Co., subscriptions	12.00	
A. A. Mooney Furniture Co., curtains, chairs, etc.	36.96	
New York Times, 1 subscription.....	8.00	
New York Times Index, 1 subscription bound in cloth	8.00	
Thomas Nelson & Sons, revision pages for loose-leaf encyclopaedia	6.00	
New England Library Bindery Co., rebinding.	352.30	
Novelty Co., ribbons and repairing typewriter	5.50	
Office Toilet Supply Co., toilet service.....	33.80	
J. E. Post, brushes.....	5.57	
Rapid Mailing Bureau, Inc., letters and stock.	2.25	
Remington Typewriter Co., supplies	3.50	
Riley & Sanborn, typewriter ribbons.....	7.00	
Snead & Co. Iron Works, label holders, etc....	91.00	
Star Stamp Co., cards, stamps and ink.....	8.50	
Star Market, soap	9.30	
A. Storrs & Bement Co., supplies.....	6.58	
The Tablet & Ticket Co., letters.....	12.02	
Temple & Farrington Co., rebinding.....	118.79	
Tilton Box Co., boxes	16.25	
Trustees of Library, appropriation for books.	1,000.00	
University of Chicago Press, books.....	15.30	
John B. Varick Co., hardware and supplies....	53.33	
The Veedee Manufacturing Co., counters.....	7.09	
Williams Printing Co., paper and printing...	102.77	
H. W. Wilson Co., books and binding books..	75.27	
White, Son Co., bookbinders' material.....	66.63	
F. M. Winchell:		
Paid for cards.....	125.00	
Expenses, Asbury Park, library convention.	49.39	
		<hr/> \$4,390.14
Total expenditures	\$18,723.39	
Transferred to unappropriated money	276.61	
		<hr/> \$19,000.00

Fire Department.

Balance from last year unexpended.....	\$1,943.75	
Appropriation	144,800.00	
Transferred from unappropriated money.....	207.32	
	<hr/>	\$146,951.07

EXPENDITURES.

SERVICES.

Thomas W. Lane, chief engineer.....	\$2,200.00	
Charles W. French, deputy chief	1,600.00	
Edwin W. Merrill, deputy chief	1,600.00	
	<hr/>	\$5,400.00

TEAMSTERS' AND ENGINEER'S PAY-ROLL.

January	\$6,904.75	
February	6,856.62	
March	6,809.76	
April	6,753.13	
May	6,855.28	
June	6,913.37	
July	7,233.66	
August	7,144.30	
September	7,058.17	
October	6,919.49	
November	7,004.22	
December	7,072.79	
	<hr/>	\$83,525.54

OTHER LABOR.

Odilon F. Dubois	\$11.25	
Irving H. Nutting	6.75	
Thomas A. Reed	41.66	
Louis Ross	16.04	
	<hr/>	\$75.70

CALL MEMBERS.

Engine Company, No. 1.....	\$1,138.00
Engine Company, No. 2.....	950.00
Engine & Ladder Company, No. 3.....	2,464.00
Engine Company, No. 4.....	1,138.00
Engine & Ladder Company, No. 5.....	2,464.00
Engine & Ladder Company, No. 6.....	2,464.00

Engine Company, No. 7.....	\$2,464.00	
Ladder Company, No. 8.....	762.00	
Chemical Engine Company, No. 1.....	386.00	
Combination Company, No. 2.....	950.00	
Aerial Truck Company, No. 1.....	1,326.00	
Hose Company No. 1.....	950.00	
Hose Company No. 2.....	950.00	
Hose Company No. 3.....	950.00	
	<hr/>	\$19,356.00

LAUNDRY.

Mrs. M. P. Collins	\$35.26	
Frank C. Curtis	53.00	
Marion R. Laird	104.00	
Alice S. Merrill	14.34	
N. H. Towel Supply Co.	19.50	
Oneeda Laundry	136.75	
Mrs. C. D. Stevens	25.00	
Union Laundry	6.00	
	<hr/>	\$393.85

FURNITURE AND BEDDING.

James W. Hill Co., bedding.....	\$89.60	
C. A. Hoitt Co., furniture, bedding and crockery	444.18	
James A. Scully, bedding and shades.....	46.14	
	<hr/>	\$579.92

PRINTING AND STATIONERY.

John B. Clarke Co.:		
Printing	\$30.00	
Printing 450 reports	217.00	
Binding	4.00	
George D. Fitts, guides	2.90	
W. P. Goodman, books and stationery.....	73.44	
Keystone Press, printing	180.60	
Temple & Farrington Co., books.....	2.25	
	<hr/>	\$510.19

FUEL, LIGHTS, TELEPHONE.

L. B. Bodwell, coal	\$1,368.37
J. Newell Brown, weighing coal	55.00
Frank R. Brown, weighing coal	15.00
J. H. DeCourcy Coal Co., wood	19.50

C. A. & A. W. Flint, wood.....	\$47.25
Flint Coal Co., wood	35.25
Manchester Traction, Light & Power Co., electric lights	934.55
Moore & Preston Coal Co., coal	2,595.39
New England Telephone & Telegraph Co., use of telephones	341.33
Peoples Gas Light Co., gas.....	478.50

\$5,890.14

SUPPLIES.

American-LaFrance Fire Engine Co., fire bell and gaskets	\$25.80
Amoskeag Manufacturing Co., castings, leather, etc.	101.32
Ernest E. Austin, electrical repairs and supplies	137.73
Badger Fire Extinguisher Co., hose	1.05
Baird & McGuire, Inc., disinfectant.....	25.00
Boston Belting Co., hose washers.....	1.44
C. G. Braxmar Co., badges.....	4.00
Cornelius Callahan Co., supplies and repairing hose	1,632.70
Joel S. Daniels, paint.....	155.00
Daniels-Cornell Co., bi-carbonate of soda.....	5.25
D. W. Diggs, bottles, extinguishers.....	150.00
Draeger Oxygen Apparatus Co., self rescuers..	134.70
J. T. Duncan, parts for sliding pole.....	3.85
A. L. Franks & Co., electrical supplies and labor	576.27
Globe Manufacturing Co., coats and overalls..	149.50
Granite State Rubber Co., packing, hose, etc..	18.33
Grether Fire Equipment Co., supplies.....	3.74
F. S. Hardy & Co., batteries.....	1.74
Hamblet & Hayes, sponges	163.30
A. Henry, nickel-plating.....	21.75
J. Hodge, lumber	24.73
J. Hodge Estate, lumber.....	13.96
W. S. Holt & Son, waste.....	73.34
The Inter-State Machine Co., brushes for electric siren .....	.93
Keezer Metal Polish Co., polish.....	27.00
O. F. Kress & Son, hose clamps.....	24.00
Leighton Machine Co., steel and labor.....	19.30
M. W. Libbey, engine lathe and tools.....	200.00

C. B. Littlefield:

Smoke protector, life nets, turret pipe.....	\$933.08
I Baker cellar pipe	75.00
F. P. Lyons Iron Works, supplies.....	2.70
Manchester Coal & Ice Co., ice	5.90
J. J. Moreau & Son, screws, nuts, washers....	.57
The Nims Manufacturing Co., 1 hydraulic hose tester	110.00
F. F. Osgood:	
Leather	9.68
Packing	1.80
Parnell Brothers, soap	74.00
Pettingell-Andrews Co., supplies.....	19.08
The Philadelphia Grease Manufacturing Co., grease	36.70
Peoples Gas Light Co., burners and mantles..	3.45
Pike & Heald Co., supplies.....	4.64
Stark Mills, cloth	5.25
Sherwin-Williams Co., "Bras Brite".....	8.50
Talbot Dyewood & Chemical Co., supplies....	233.67
J. F. Thomson, oil	1.20
John B. Varick Co., hardware, hose, tools, etc.	2,542.38
Western Electric Co., supplies	8.66
Western Union Telegraph Co., time service..	3.75
West Side Lumber Co., lumber	1.32
Winchester Tar Disinfectant Co., disinfectant	134.10

 \$7,757.71

REPAIRS, ETC.

The Barton Co., repairing covers.....	\$1.00
Bisson & Jodoin, repairs.....	12.22
S. W. Call, iron and labor	4.43
T. F. Landrigan, supplies .....	.21
H. J. Lawson, repairing acid bottle.....	3.85
Manchester Machine Works, steel, brass and labor	15.54
Manchester Welding Co., welding.....	4.00
Eugene McLeod, repairing wagon damaged by fire department automobile.....	17.35
J. H. Mendell Co., repairing ladders.....	11.05
Pike & Heald Co., material and repairs.....	16.78
John H. Stevens, pipe, brush and labor.....	2.46

 \$88.89

HORSES, VETERINARY SERVICES AND MEDICINE.

F. T. Arbuckle, D. V. S., services.....	\$42.00	
Cavanaugh Brothers Horse Co., horses.....	675.14	
G. D. Darrah, D. V. S., services.....	20.25	
H. B. Dunton, D. V. S., services.....	124.00	
Dyer & Chipman, supplies.....	59.97	
Lewis G. Gilman, drug supplies.....	5.20	
John J. Holland, medicine.....	5.45	
Wiggin-Young Co., saltpetre .....	.25	
		<hr/>
		\$932.26

MOTORIZING APPARATUS.

S. P. Dodge Co., 1 six-cylinder chassis and changes	\$2,770.00	
Pollard Automobile Co., 1 Chalmers auto and extra tire	1,029.41	
		<hr/>
		\$3,799.41

AUTOMOBILE AND ENGINE SUPPLIES AND REPAIRS.

Aalding Supply Co.	\$1.79
Atlas Auto Top Co.	35.00
Ernest E. Austin	95.01
Auto Tire Co.	69.08
Ray A. Barnes	117.10
Bisson & Jodoin	78.52
Brodie Electric & Automobile Co.	4.32
E. E. Brown	8.85
Bunton & Bernard	36.27
Cadillac Automobile Co.	807.40
Ernest A. Coleman	4.00
M. F. Collins Co.	8.50
Cornplanter Refining Co.	16.12
Harry J. Danforth	20.00
Dayton Tire Co.	199.02
The Dayton Rubber Manufacturing Co.	93.78
Direct Automobile Supply Co.	54.36
S. P. Dodge Co.	91.85
J. B. Filleul & Son	257.43
Fisk Rubber Co.	109.75
Globe Tire Service Co. ....	.75
Goodyear Tire & Rubber Co.	414.50
C. J. Greer	146.98
Hall Bros. Llewellyn Co.	29.88

Hanover Street Garage.....	\$7.31	
J. C. Higgins	35.00	
Howard E. Johnson	85.11	
Knox Motors Associates	836.48	
H. J. Lawson	70.35	
Leighton Machine Co.	3.75	
Loveren & Loveren.....	.45	
Manchester Auto Garage	16.92	
Manchester Machine Works.....	150.66	
Manchester Welding Co.	77.15	
Marathon Tire Co.	68.97	
J. B. McCrillis & Son.....	26.40	
H. E. Netsch	52.35	
North End Garage	8.75	
Piper-McIntire Co.	49.55	
Pollard Auto Co.	825.00	
Post & Lester Co.	19.87	
Joseph Proud	373.92	
Philip Putney	10.00	
Railroad Square Garage	6.15	
Robinson Fire Apparatus Manufacturing Co.	32.40	
Sanborn Carriage Co.	611.60	
C. R. Sawyer	9.81	
Shackford's Garage	1.35	
L. A. Shackford	31.92	
Standard Oil Co.	1,360.46	
Star Garage	10.82	
Robert Turnbull	39.85	
United States Tire Co.	15.00	
Valentine & Co.	10.43	
Wagner Electric Manufacturing Co.	17.54	
Wisconsin Motor Manufacturing Co.	458.00	
		<hr/>
		\$8,023.58

HARNESS SUPPLIES AND REPAIRS.

Manchester Harness Co.	\$21.06	
N. J. Whalen	86.40	
Joseph Vogel & Co.	31.90	
		<hr/>
		\$139.36

BLACKSMITHING.

J. B. Boisvert & Co.	\$102.05
Joseph Cadotte	114.90
P. J. Connor Co.	103.05
L. M. George	49.51
Gedeon Hebert	21.00

M. W. Libby.....	\$11.32	
J. F. McDonald & Co.	427.05	
H. E. Netsch	102.50	
Joseph Proud	112.06	
L. P. Tremblay & Co.	369.60	
Napoleon Vezina	139.30	
		<hr/>
		\$1,552.34

HAY, GRAIN, ETC.

Adams Brothers	\$2,875.69	
Arthur S. Brown	1,733.97	
Cavanaugh Bros. Horse Co.	81.78	
George A. Dickey	180.67	
L. S. Knowlton	73.08	
F. H. Masse & Co.	2,974.15	
		<hr/>
		\$7,919.34

SUNDRIES.

American Express Co., charges	\$23.93	
Harry R. Bennett, expenses attending exhibi- tion gasoline pumping engines, New Haven, Conn.	20.00	
William Burnham, labor	2.25	
Cavanaugh Bros. Horse Co., use of horses.....	253.00	
Antony Constan, glass and setting, broken by driver	3.38	
C. H. French, cash paid for expenses to Knox factory, Springfield, Mass., and 2 days' ex- penses of 3 men to Boston	17.91	
Hanover Street Garage, automobile for com- mittee	3.54	
Frank H. Harvey, use of car.....	331.00	
E. H. Holmes, freight and cartage.....	35.02	
Thomas W. Lane, paid for freight and express	46.89	
Eugene G. Libbey, use of horse.....	14.00	
Philip N. Putney, rental of auto.....	60.00	
State of New Hampshire, chauffeur licenses..	147.00	
L. G. Smith, rent of store for April.....	15.00	
Harry W. Spaulding:		
Expenses of mayor, city clerk and fire de- partment committee to Boston to inspect apparatus	17.56	
Expenses to Fall River relative to pump- ing engines	16.36	
		<hr/>
		\$1,006.84
Total expenditures		<hr/>
		\$146,951.07

Fire-Alarm Telegraph.

Balance from last year unexpended.....	\$171.00	
Appropriation	10,475.00	
		<u>\$10,646.00</u>

EXPENDITURES.**LABOR.**

January	\$608.28	
February	608.28	
March	608.44	
April	608.28	
May	608.28	
June	608.44	
July	608.28	
August	608.28	
September	608.44	
October	608.28	
November	608.28	
December	608.44	
		<u>\$7,300.00</u>

SUNDRIES.

Lewis W. Bills, magnets.....	\$4.55
Bisson & Jodoin, material and repairs.....	35.10
Campbell Electric Co., time switches.....	39.00
George B. Cressy, paint, oil, brushes.....	13.74
Joel S. Daniels, supplies.....	.80
A. L. Franks & Co., electric supplies and labor	27.75
W. P. Goodman, 1 directory.....	6.00
Gamewell Fire-Alarm Telegraph Co., supplies and repairs	981.74
F. S. Hardy & Co., electrical supplies.....	78.18
J. Hodge, lumber.....	69.55
C. A. Hoitt Co., steel lockers and base for same	174.20
E. H. Holmes, freight and cartage.....	10.97
Keystone Press, printing	49.30
Manchester Supply Co., supplies.....	.58
Manchester Traction, Light & Power Co.: Electricity	212.31
Wire, fuses, pins, connectors.....	14.55
J. P. Mentzer & Co., batteries	10.80
Stephen Moody, filing saws.....	.40

New England Telephone & Telegraph Co., installing conduits and wood duct.....	\$254.27	
N. H. Cement Construction Co., cement, account of street gong	44.92	
Pike & Heald Co., material and labor	25.79	
Harry A. Piper, filing saws	1.65	
Peoples Gas Light Co., lights, shades, mantles, etc.	17.45	
Daniel Pratt's Son, watch oil.....	3.06	
J. L. Proud, material and labor.....	19.67	
Sanborn Carriage Co., labor .....	.75	
James A. Scully, furniture polish.....	.50	
John H. Stevens, material and labor.....	1.00	
C. D. Still Typewriter Exchange, 1 ribbon....	.50	
Talbot Dyewood & Chemical Co., battery fluid	8.54	
John B. Varick Co., tools and hardware.....	98.23	
Western Electric Co., supplies.....	371.13	
West Side Lumber Co., lumber.....	2.43	
Western Union Telegraph Co., clock rental...	7.50	
		\$2,586.91
Total expenditures	\$9,886.91	
Transferred to unappropriated money.....	759.09	
		\$10,646.00

Hydrant Service.

Appropriation	\$20,000.00
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EXPENDITURES.

Water Commissioners, hydrant rentals.....	\$20,000.00
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Police Commission.

Appropriation	\$98,000.00
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EXPENDITURES.

SERVICES.

Michael J. Healy, chief of police.....	\$3,500.00
John M. East, deputy chief.....	1,800.00
John F. Griffin, clerk	1,307.13

A. Bernette Brown, police matron.....	\$549.00	
Thomas B. Donnelly, commissioner.....	25.00	
Oscar F. Moreau, commissioner.....	100.00	
Almus W. Morse Estate, commissioner.....	100.00	
Frank W. Sargeant, commissioner.....	125.00	
Regular and special patrol.....	80,217.88	
		<hr/>
		\$87,724.01

PRINTING AND STATIONERY.

John B. Clarke Co.	\$117.45	
W. P. Goodman, stationery.....	91.64	
Thacker-Craig Paper Co., stationery.....	9.80	
Temple & Farrington Co., stationery.....	2.00	
Williams Printing Co., printing.....	2.00	
		<hr/>
		\$222.89

TELEPHONE AND TELEGRAPH.

New England Telephone & Telegraph Co., use of telephones	\$210.26	
Postal Telegraph Cable Co., telegrams.....	.64	
Western Union Telegraph Co.:		
Telegrams	5.99	
Clock rental	9.00	
		<hr/>
		\$225.89

FEEDING PRISONERS.

J. F. Meade	\$336.30	
National Biscuit Co.	40.65	
		<hr/>
		\$376.95

PATROL SYSTEM EXPENSES.

Aalding Supply Co., auto supplies.....	\$17.10	
Adams Brothers, hay and grain.....	127.45	
Ahlberg Bearing Co., 1 bearing reground....	1.58	
American Oxygen Association, refilling pul- motors	54.50	
Amoskeag Textile Club, flannel.....	10.00	
Ernest E. Austin, repairing battery.....	16.00	
Ray A. Barnes, automobile supplies.....	142.15	
Joseph Baxter, 12 fire extinguishers.....	24.00	
Bisson & Jodoin, automobile repairs.....	50.36	
Boston & Maine Railroad, freight.....	7.99	
Brocklen Underground Electrical Manufactur- ing Co., supplies	52.47	
A. B. Brown, carpet, muslin, drapery.....	8.13	

George H. Buckminster Co., batteries, etc.....	\$56.29
F. A. Burnham, repairing wind shield.....	1.00
Cadillac Automobile Co., supplies.....	45.50
James Clifford, labor on wires.....	160.80
E. P. Cornish, automobile supplies and repairs	24.05
Curry Bros. Oil Co., auto supplies.....	309.87
Daniels-Cornell Co., matches and soap.....	7.60
C. H. Dennis & Sons, labor on patrol system...	34.75
A. J. Douville, welding and repairs.....	21.45
The Esterline Co., repairing generator.....	13.19
Farrell Brothers, supplies	18.95
Fahnestock Electric Co., supplies.....	2.16
Finney Upholstering & Window Cleaning Co., repairing chair	3.00
Harry J. Freeman, 1 used Cadillac car.....	750.00
L. M. George, blacksmithing.....	20.15
Granite State Rubber Co., tubing and packing	7.61
Abraham Green, rent of shed	60.00
Gulf Refining Co., grease	2.00
Hall Bros. Llewellyn Co., 2 casings.....	38.20
Hanover Street Garage, towing car	3.00
J. Hodge Estate, arms	12.05
Charles F. Jackson, supplies and balance due on motorcycle	94.18
Knox Motors Associates, supplies.....	56.38
Charles Kean, labor on wires	19.50
Wade H. Knowlton, oil	7.00
L. S. Knowlton, horse and team hire.....	33.50
H. C. Lintott, 4 rims.....	20.00
Loveren & Loveren, repairs	5.30
Manchester Auto Garage, 1 used Stevens car..	250.00
Manchester Street Railway, handle sockets...	1.00
W. F. McCarthy, automobile repairs.....	13.86
George H. McNamara, 1 No. 3 Arbor press....	25.00
Thomas McQuaid, labor on wires.....	171.50
Mitchell Manufacturing Co., badges	1.25
James Murphy, varnishing car	35.00
Neostyle Company, paper and ink.....	103.38
Novelty Company, new draw link.....	.75
Frederick Pearce Co., supplies and repairs....	159.26
Charles E. Perry Co., register paper.....	95.46
Pollard Auto Co.:	
1 car	475.00
Supplies	269.82
Queen City Motorcycle Garage, supplies	1.45
Thomas A. Reed, paint and labor.....	44.85
James W. Richards, horse and team hire.....	197.00

Rutenber Motor Co., supplies.....	\$10.00	
Sanborn Carriage Co., material and repairs...	333.70	
George Schelzel, vulcanizing	1.75	
Standard Oil Co., gasoline and oil.....	774.90	
D. F. Sullivan Auto Co., 1 Ford car	425.75	
L. P. Tremblay & Co., horseshoeing.....	24.25	
The Safety Insulated Wire & Cable Co., cable	76.25	
United Electric & Apparatus Co., repairs and		
supplies	449.05	
United States Tire Co., auto supplies.....	765.61	
Valentine & Co., paint	59.35	
West Disinfecting Co., "Kilbug"	15.00	
Western Electric Co., supplies.....	85.76	
N. J. Whalen, harness and repairs.....	37.10	
		<hr/>
		\$7,242.26

HARDWARE AND REPAIRS.

Wade Knowlton, repairing speedometer.....	\$4.70	
Manchester Hardware Co., hardware, etc....	139.60	
Manchester Machine Works, material and la-		
bor	36.66	
Manchester Welding Co., welding, carbon		
burning outfit, etc.	30.60	
J. J. Moreau & Son, hardware.....	83.33	
Pike & Heald Co., material and labor.....	1.53	
Harry A. Piper, filing saws.....	.40	
John B. Varick Co., hardware, etc.	91.48	
		<hr/>
		\$388.30

SUNDRIES.

John B. Hall Co., medicine and supplies.....	\$89.83	
M. J. Healy:		
Officers' expenses and office supplies.....	295.12	
Carfare and expenses attending convention		
of chiefs of police	100.00	
Edgar S. Leslie, photographing criminals.....	40.00	
		<hr/>
		\$524.95
		<hr/>
Total expenditures	\$96,705.25	
Transferred to unappropriated money.....	1,294.75	
		<hr/>
		\$98,000.00
		<hr/>

Police Station.

Appropriation	\$4,000.00	
Transferred from unappropriated money.....	13.59	
		<u>\$4,013.59</u>

EXPENDITURES.

FUEL AND LIGHTS.

L. B. Bodwell, coal	\$643.20	
Frank R. Brown, weighing coal.....	2.50	
J. Newell Brown, weighing coal	12.50	
Manchester Traction, Light & Power Co., electric lights, power and lamps.....	290.40	
Moore & Preston Coal Co., coal	477.22	
Peoples Gas Light Co., gas.....	41.30	
		<u>\$1,467.12</u>

SUNDRIES.

The Barton Co., awnings and re-covering awnings	\$33.05	
George H. Buckminster Co., auto supplies....	14.48	
Thomas Chandonnet, janitor.....	900.00	
Albert C. Davis, brushes.....	1.60	
Daniels-Cornell Co., soap and matches.....	11.65	
C. B. Dolge Co., "Betaform" and "Alta Pine"..	54.50	
Farrell Brothers, supplies.....	8.90	
A. L. Franks & Co., lamps, etc.....	99.53	
C. A. Hoitt Co., 1 chair.....	7.50	
J. J. Holland, druggists' supplies.....	19.90	
Edward F. Jones, janitor.....	1,006.50	
Frank D. Leighton, asphaltum, gauge glass, packing	3.70	
A. A. Mooney Furniture Co., couch, mattress, pillows, refrigerator	31.13	
F. E. Nelson Co., pails, soap dishes, brooms, toilet paper, combs and brushes.....	31.25	
N. H. Towel Supply Co., laundry work.....	81.71	
Orient Spray Co., spray and atomizer.....	98.81	
Otis Elevator Co., repairing motor.....	23.80	
Pike & Heald Co., nips and couplings.....	2.01	
Swift & Co., soap	24.45	
West Disinfecting Co., "Kilbug".....	30.00	
Western Union Telegraph Co., clock rental...	3.00	

Winchester Tar Disinfectant Co., disinfectant	\$19.00	
Worrell Manufacturing Co., "Vermin-Go".....	40.00	
		<hr/>
		\$2,546.47
		<hr/>
Total expenditures		\$4,013.59
		<hr/>

Police Court.

Appropriation	\$3,500.00
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EXPENDITURES.

SERVICES.

Charles A. Perkins, police justice.....	\$1,800.00	
Arthur S. Healy, special justice.....	350.00	
Robert C. Laing, clerk of court.....	750.00	
John R. McLane, probation officer.....	400.00	
		<hr/>
		\$3,300.00

Total expenditures	\$3,300.00
Transferred to unappropriated money.....	200.00
	<hr/>
	\$3,500.00
	<hr/>

Repairs of Public Buildings.

Appropriation	\$27,000.00	
Received for labor and material sold	752.90	
		<hr/>
		\$27,752.90
		<hr/>

EXPENDITURES.

LABOR.

January	\$723.34
February	1,178.88
March	831.84
April	789.22
May	793.17
June	816.17
July	864.56
August	1,350.26
September	887.59

October	\$824.28	
November	913.70	
December	896.96	
		<hr/>
		\$10,869.97

SUNDRIES.

J. J. Abbott, paint, paper, labor, etc.....	\$12.60
Aalding Supply Co., "Thermite".....	3.55
American Mason Safety Tread Co., 140 safety treads	401.92
Amoskeag Manufacturing Co., waste, castings, etc.	58.22
Annis Grain & Lumber Co., lumber.....	209.54
Astoria Radiator Shield Co., shields.....	36.64
L. E. Bagley, cartage.....	40.50
The Barton Co., galvanized iron primer.....	1.25
Bisson & Jodoin, material and labor.....	2,040.40
Board of Public Works, sewer pipe.....	1.76
Boston & Maine Railroad, freight.....	46.47
Brodie Electric & Automobile Co., supplies and repairs	30.41
Arthur S. Brown, cement, lime and salt.....	26.95
E. M. Bryant & Co., electrical supplies and labor	87.59
Bunton & Bernard, labor and material.....	26.00
T. D. Chilton, barrels	5.00
James A. Colby, cleaning cesspools.....	69.00
E. P. Cornish, 1 saw, plug in cylinder, etc.	7.20
Dalton-Ingersoll Manufacturing Co., supplies.	5.43
Derryfield Co., lumber, etc.....	321.33
H. J. Dexter, welding .....	.50
S. P. Dodge Co., material and repairs.....	18.15
Dockham & Wenzel, insurance premium.....	168.00
Farrell Brothers, electrical supplies and labor	1,094.42
Fellows & Son, sawdust.....	1.20
N. J. Fontaine & Co., webbing.....	.60
A. L. Franks & Co., electrical supplies and la- bor	159.47
L. M. George, blacksmithing.....	50.70
W. P. Goodman, stationery	1.95
John F. Griffin, 1 used Cadillac car for truck.	400.00
Gulf Refining Co., gasoline.....	241.25
J. Hodge, supplies and labor.....	341.93
J. Hodge Estate, supplies.....	153.98
A. Laberge, stone, cement and labor.....	40.15
John B. Lariviere, wall paper.....	4.32

F. D. Leighton, plumbing and heating material and labor	\$42.72
F. P. Lyons Iron Works, angle irons, etc.	25.09
Manchester & Concord Express Co., charges...	9.40
Manchester Hardware Co., hardware.....	16.30
Manchester Machine Works, material and labor	15.75
Manchester Street Railway, car tickets.....	125.00
Manchester Supply Co., valves, pipe, etc.....	208.26
Manchester Auto Garage:	
Use of truck	12.00
Supplies	3.30
Manchester Traction, Light & Power Co.:	
Electricity	74.94
Repairing fans and motors.....	130.10
F. H. Masse & Co., bags.....	.96
C. F. McDonald, plumbing supplies and labor..	214.31
J. H. Mendell Co., glass.....	13.19
J. J. Moreau & Son, linseed oil and blackboard	39.26
John Muir, lumber	224.32
New England Telephone & Telegraph Co., use of telephone	8.45
New Hampshire Cement Construction Co., cement slab	94.00
F. L. Noyes, roofing material and labor.....	166.66
Fred L. Peaslee, cleaning vault	2.00
Peoples Gas Light Co., 2 Rudd heaters.....	191.75
Penn Metal Co., metal.....	892.34
Pettingell-Andrews Co., electrical supplies....	664.89
Pike & Heald Co., supplies.....	66.87
Pleasant Street Machine Co., material and labor	1.50
W. S. Rainford, material and mason work....	294.78
Elmer E. Reed, mason work.....	223.04
Robie Consolidated Concrete Co., concrete....	1,582.42
James A. Rogers, material purchased for automobile truck	10.00
Ruemely Press, printing.....	10.80
Sanborn Carriage Co., material and labor.....	37.50
James A. Scully, 1 heater.....	18.00
John A. Sheehan, insurance premium.....	119.50
Standard Oil Co., gasoline.....	103.27
John H. Stevens, plumbing and steam fitting..	613.56
J. H. & B. H. Stone, painting.....	299.50
George E. Trudel Co., plumbing supplies and labor	436.36
U. S. Bobbin & Shuttle Co., lumber	36.78

Union Welding Co., cutting plates.....	\$1.25	
John B. Varick Co., hardware, etc.....	1,911.46	
The Webber Lumber & Supply Co., maple flooring	651.33	
West Side Lumber Co., lumber.....	738.91	
N. J. Whalen, supplies .....	.45	
Williams Printing Co., printing.....	26.50	
G. S. Wilson, erecting steel ceiling.....	20.00	
		<hr/>
		\$16,487.15
		<hr/>
Total expenditures	\$27,357.12	
Transferred to unappropriated money.....	395.78	
		<hr/>
		\$27,752.90
		<hr/> <hr/>

Contagious Hospital.

Balance from last year unexpended.....	\$75,000.00
	<hr/> <hr/>

EXPENDITURES.

ARCHITECT.

Wilfred E. Provost, plans and specifications.....	\$2,100.00
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BUILDING CONTRACT.

George Baker Long:

Eleven payments on contract.....	\$41,490.00	
Extra, rock excavating.....	455.00	
		<hr/>
		\$41,945.00

ENGINEER.

Clarence W. Williams, heating plans and specifications, commission and expenses.....	\$528.34
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HEATING AND VENTILATING CONTRACT.

T. Raiche, three payments on contract.....	\$3,564.00	
		<hr/>
Total expenditures	\$48,137.34	
Balance to new account	26,862.66	
		<hr/>
		\$75,000.00
		<hr/> <hr/>

Massabesic Hose House.

Balance from last year unexpended.....	\$1,000.00
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EXPENDITURES.**SUNDRIES.**

Louis Adams, labor	\$1.60
Charles Connor, labor	6.38
Joseph Demers, contract	850.00
Thomas Dolan, labor	21.17
Thome Julien, labor	42.34
T. Julius, labor	23.20
Lamb Kasma, labor	1.60
Maurice Lane, labor	8.12
N. E. Iron & Metal Co., iron	16.80
John Potvin, labor	1.16
Frank Roux, labor	13.34
Total expenditures	\$985.71

Total expenditures	\$985.71
Transferred to unappropriated money.....	14.29

	\$1,000.00
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Addition to Varney Schoolhouse.

Balance from last year unexpended	\$8,000.00
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EXPENDITURES.**ARCHITECT.**

C. R. Whitcher, plans and specifications.....	\$75.00
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BUILDING CONTRACT.

Adelard Dumont	\$7,125.00
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FIRE ESCAPES.

F. P. Lyons Iron Works	\$560.00
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FURNITURE.

Kenney Bros. & Wolkins, chairs.....	\$240.00
Total expenditures	<u>\$8,000.00</u>

Bakersville Schoolhouse.

Appropriation by resolution July 28.....	<u>\$85,000.00</u>
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EXPENDITURES.

ARCHITECT.

William T. Towner, plans and specifications.....	\$2,750.00
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BUILDING CONTRACT.

Bunton & Bernard.....	\$36,750.00
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FURNITURE.

Kenney Bros. & Wolkins, chairs.....	\$334.40
Total expenditures	<u>\$39,834.40</u>
Balance to new account	45,165.60
	<u>\$85,000.00</u>

Sprinkler System in School Buildings.

Appropriation by resolution July 28.....	<u>\$15,000.00</u>
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EXPENDITURES.

Frank Chapman, material and labor.....	\$714.85
Rhode Island Supply & Sprinkler Co., sprink- ler heads	352.50
John H. Stevens, sprinklers, per contract....	1,690.00
	<u>\$2,757.35</u>
Total expenditures	<u>\$2,757.35</u>
Balance to new account	12,242.65
	<u>\$15,000.00</u>

Care of City Clocks.

Appropriation	\$150.00
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EXPENDITURES.

Carl W. Anderson & Co.	\$9.00
Henry I. Lemay	40.00
C. A. Trefethen	80.00
	<hr/>
	\$129.00

Total expenditures	\$129.00
Transferred to unappropriated money.....	21.00
	<hr/>
	\$150.00

Setting Trees.

Appropriation	\$300.00
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EXPENDITURES.

Breck-Robinson Nursery Co., 200 maples.....	\$110.00
	<hr/>

Total expenditures	\$110.00
Transferred to unappropriated money.....	190.00
	<hr/>
	\$300.00

Subway Comfort Merrimack Square.

Appropriation	\$3,700.00
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EXPENDITURES.**CARETAKERS.**

Mrs. Ida Beliveau.....	\$188.34
Nellie Callahan	550.00
Alderie Derome	480.00
Marion S. Goings	70.00
Gertrude E. S. Jones	343.34
Willard L. Miner	240.00
Timothy Sullivan	720.00
Fannie Vallie	96.67
	<hr/>
	\$2,688.35

SUNDRIES.

American Coin Lock Co., receipts of pay closets	\$108.77	
L. B. Bodwell, coal	85.50	
Boston & Maine Railroad, freight .....	.16	
James R. Ferson, paid for express.....	.52	
L. M. Folsom, cheese cloth.....	2.25	
Walter E. Graf, cartage.....	.25	
C. A. Hoitt Co., 1 rug	2.50	
Manchester Traction, Light & Power Co., electric lights and lamps.....	173.11	
Moore & Preston Coal Co., coal	34.72	
Peoples Gas Light Co., gas.....	61.90	
Wesley Smith, laundry work.....	38.49	
C. D. Steele, soap	1.00	
John B. Varick Co., brooms, toilet paper, etc.	186.09	
Whitney Bros. Inc., toilet paper.....	13.72	
Winchester Tar Disinfectant Co., disinfectant	93.00	
		<hr/>
		\$801.98
Total expenditures	\$3,490.33	
Transferred to unappropriated money.....	209.67	
		<hr/>
		\$3,700.00
		<hr/> <hr/>

Water-Works.

Balance from last year unexpended	\$17,100.29	
Cash received for water rents.....	164,505.03	
		<hr/>
		\$181,605.32
		<hr/> <hr/>

EXPENDITURES.

LABOR.

January	\$4,004.28
February	3,861.26
March	3,181.62
April	3,169.39
May	4,351.82
June	4,019.95
July	3,639.81
August	4,713.62
September	3,952.76
October	3,918.04

November	\$4,548.73	
December	2,870.50	
	<hr/>	\$46,231.78
Elmer Hoyt		\$1,580.85

SUPERINTENDENT AND WATER COMMISSIONERS.

James H. Mendell:

Salary as superintendent.....	\$3,000.00	
Allowance for upkeep of automobile.....	400.00	
Walter G. Africa, 30 meetings of board.....	150.00	
Perry H. Dow, 23 meetings of board.....	115.00	
Charles M. Floyd, 24 meetings of board.....	120.00	
Arthur M. Heard, 15 meetings of board.....	75.00	
Edgar J. Knowlton:		
Twenty-eight meetings of board.....	140.00	
Salary as clerk of board.....	100.00	
Charles H. Manning, 40 meetings of board....	200.00	
	<hr/>	\$4,300.00

PRINTING, ADVERTISING, OFFICE SUPPLIES.

Burroughs Adding Machine Co., attention to machine	\$15.50	
John B. Clarke Co.:		
Printing	371.16	
Advertising	6.85	
Martin G. Ferry, making gate location cards..	52.55	
George D. Fitts, stationery.....	22.41	
Laconia Press Association, advertising boat for sale	1.50	
Library Bureau, supplies	29.25	
The Manchester Bindery, repairing book....	2.75	
A. E. Martell Co., indexes.....	6.09	
Office Toilet Supply Co., toilet service.....	16.25	
Oliver Typewriter Co., balance due on exchange	77.48	
Paige, Myrick & Co., engraving and stamping.	6.20	
Rapid Mailing Bureau, Inc., labor on lists	121.08	
Sampson & Murdock Co., 1 directory.....	5.00	
Star Stamp Co., supplies and repairs.....	3.00	
Temple & Farrington Co., stationery.....	1.00	
Thacker-Craig Paper Co., pads and bands....	15.78	
Union-Leader Publishing Co., advertising....	4.40	
John R. Willis, P. M., stamps and envelopes...	82.11	
	<hr/>	\$840.36

FUEL, LIGHTS, TEAMS, TELEPHONE.

The Carbon Coal & Coke Co., coal.....	\$990.51	
W. E. Dunbar & Sons, coal.....	26.38	
Manchester Street Railway, car tickets.....	180.00	
New England Telephone & Telegraph Co., use of telephones	73.37	
Peoples Gas Light Co., gas.....	3.70	
J. W. Richards, team	3.00	
		<hr/>
		\$1,276.96

BLACKSMITHING, EXPRESS, FREIGHT, HARDWARE.

American Express Co., charges.....	\$35.93	
Boston & Maine Railroad, freight, etc.....	1,979.49	
H. J. Dexter, sharpening tools.....	7.70	
Shirley P. Dodge Co., blacksmithing.....	447.19	
Manchester & Concord Express Co., charges...	1.50	
Manchester Hardware Co., hardware, etc.....	170.49	
John B. Varick Co., supplies.....	1,139.53	
		<hr/>
		\$3,781.83

LAND AND BUILDINGS.

H. W. Batchelder, land	\$1,000.00	
Arthur E. Dumas, land.....	5,000.00	
Jonas H. Harvey, land and buildings.....	3,900.00	
John J. Murray & Wm. G. Mealey, land and buildings	600.00	
John J. Murray, land	300.00	
Olympic Boat Club, land	800.00	
Ida M. Pitman, land	2,500.00	
Daniel A. Shanahan, land and buildings.....	1,850.00	
Svea Villa Boat Club, land.....	1,100.00	
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		\$17,050.00

LEGAL SERVICES.

Charles D. Barnard, services.....	\$16.20	
John W. A. Green, recording.....	.72	
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		\$16.92

SUPPLIES.

Adams Brothers, salt, lime, etc.....	\$21.95	
Amoskeag Manufacturing Co., supplies and la- bor	2,842.06	
Beacon Motor Car Co., supplies and repairs...	378.74	

Bisson & Jodoin, supplies, etc.....	\$87.22
Board of Public Works, trap rock, stone, etc.	21.17
Harold L. Bond Co., supplies.....	304.46
Brodie Electric & Automobile Co., supplies....	8.40
E. M. Bryant & Co., electrical supplies	12.24
Builders Iron Foundry, supplies.....	1,048.95
Chapman Valve Manufacturing Co., gate valves, cocks, etc.....	534.88
Concord Foundry & Machine Co., castings, etc.	694.98
Cut-Price Auto Supply Co., 1 hood strap.....	1.50
Harry J. Danforth, auto supplies, etc.....	29.20
Donaldson Iron Works, pipe.....	1,277.36
Charles Dupont, tools.....	16.08
Empire Implement Manufacturing Co., 1 tool grinder	5.00
Everett F. Dowst, blue printing	2.70
A. L. Franks & Co., electrical supplies.....	32.10
General Electric Co., supplies.....	1,912.27
C. A. Golden & Co., lumber, etc.....	44.02
Glauber Brass Manufacturing Co., supplies...	221.25
Granite State Rubber Co., cement, hose, pack- ing	15.82
Hart Packing Co., washers, packing.....	18.20
Peter Harris & Son, keys.....	.80
Hays Manufacturing Co., curb boxes, valves, etc.	272.14
James W. Hill Co., cotton.....	.30
J. Hodge, lumber	47.93
J. Hodge Estate, lumber.....	56.03
Hubbard Sash, Door and Lumber Factory, plugs	18.00
The C. M. Kemp Manufacturing Co., supplies..	9.60
Lead Lined Iron Pipe Co., pipe.....	2,339.38
J. J. Lovering, shades, ladder, screen, tools...	35.45
F. P. Lyons Iron Works, angle frame.....	5.50
Manchester Supply Co., pipe	49.10
Manchester Traction, Light & Power Co., elec- tric lights and power, lamps, etc.....	550.53
Maxwell Ice Co., ice, 1915.....	6.80
J. H. Mendell Co., lumber, brick, cement.....	40.28
H. Mueller Manufacturing Co., record books..	1.67
John Muir, lumber	6.27
A. A. Mooney Furniture Co., shades.....	18.00
National Meter Co., meters, etc.....	475.50
Neptune Meter Co., meters, etc.....	1,859.14
Norwood Engineering Co., hydrants.....	891.00
F. F. Osgood, washers	2.00

Henry W. Parker, cement, etc.....	\$750.78
Perry Oil Co., engine and cylinder oil.....	193.24
Post & Lester Co., auto supplies	1.50
Power Equipment Co., supplies	276.44
Richards & Co., lead	1,420.97
Rensselaer Valve Co., supplies.....	1,217.13
Robie Consolidated Concrete Co., concrete....	4.00
Rubberhide Co., 24 pairs rubberhide boots....	102.00
Sanborn Carriage Co., supplies, etc.....	354.76
A. P. Smith Manufacturing Co., curb cocks...	213.50
Smith Box and Lumber Co., boxes.....	120.00
Herman Stache, plants	12.25
Standard Oil Co., gasoline, etc.....	1,788.45
Star Garage, supplies	29.45
State of New Hampshire, white pine trans- plants	500.00
C. D. Steele, broom, soap.....	13.05
John H. Stevens, pipe, etc.....	398.74
Sullivan Machinery Co., supplies	45.65
Swan & Finch Co., grease.....	27.42
Thomson Meter Co., meters, couplings, etc....	1,573.50
C. A. Trefethen, 1 clock	20.00
G. E. Trudel & Co., supplies.....	127.47
The Trump Manufacturing Co., erecting water wheel equipment	637.62
Union Water Meter Co., meters, washers, etc..	519.91
Walworth Manufacturing Co., 2 revolving top steel flag poles	233.40
West Side Lumber Co., lumber.....	18.67
N. J. Whalen, 1 strap.....	.75
Woodward-Governor Co., supplies	114.46
C. A. Hoitt Co., carpet, etc.....	6.75
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\$26,937.83	

REPAIRS, ETC.

J. J. Abbott, paint, paper, labor.....	\$190.81
Carl W. Anderson & Co., repairing clocks.....	5.00
Ernest E. Austin, material and labor.....	13.87
Bailly & Lacerte, pipe and labor.....	107.81
Bisson & Jodoin, material and labor.....	59.00
George B. Cressy, paint and labor.....	257.36
E. P. Cornish, welding.....	.57
Joel S. Daniels, shellac, kalsomine, labor....	11.44
S. P. Dodge Co., repairs and sharpening tools	94.05
A. L. Franks & Co., materials and repairs.....	3.50
C. A. Golden & Co., sheathing, roofing and la- bor	21.05

Manchester Machine Works, material and labor	\$75.18	
Manchester Welding Co., welding.....	1.25	
J. H. Mendell Co., material and labor.....	552.60	
National Meter Co., repairing meters.....	184.00	
J. A. T. Norris, lumber and labor.....	136.56	
F. L. Noyes, roofing material and repairs.....	54.60	
Palmer & Garmon, labor on marble.....	2.00	
Pleasant Street Machine Co., labor	10.65	
Elmer E. Reed, mason work.....	72.75	
William Schwartz, mason work.....	131.85	
Seth Thomas Clock Co., repairing clock.....	1.50	
Union Welding Co., welding	2.75	
Stewart-Warner Speedometer Co., repairs...	1.50	
		<hr/>
		\$1,991.65

SUNDRIES.

Town of Auburn, taxes	\$1,048.49	
W. G. Berry, insurance premium.....	71.50	
Martin Ferry, surveying, setting grade, expenses to Exeter	48.05	
J. E. Holmes, dinners, tour of inspection.....	86.20	
J. H. Mendell, cash paid: expenses attending sundry water-works meetings, Boston, Mass., lunch for men working over time, etc.	80.96	
Public Service Commission, registration of police boat	1.00	
J. F. Robinson, M. D., professional services....	19.25	
Sinking Fund Commissioners, hydrant rentals	20,000.00	
G. A. Vermille Insurance Agency, insurance premium	35.75	
		<hr/>
		\$21,391.20
Total expenditures	\$125,399.38	
Transferred to interest account	11,940.00	
Balance to new account.....	44,265.94	
		<hr/>
		\$181,605.32
		<hr/> <hr/>

Pine Grove Cemetery.

Appropriation	\$22,500.00
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EXPENDITURES.

LABOR.

January	\$701.66	
February	826.81	
March	631.66	
April	911.81	
May	1,916.17	
June	1,451.41	
July	1,453.71	
August	1,887.36	
September	1,481.95	
October	1,722.01	
November	1,882.51	
December	933.74	
	<hr/>	\$15,800.80

FUEL, INSURANCE, LIGHTS, TELEPHONE.

Philip C. Lockwood, insurance premium.....	\$25.75	
Manchester Traction, Light & Power Co., lights	12.00	
New England Telephone & Telegraph Co., tolls	1.00	
Bayard C. Ryder, insurance premium.....	67.50	
Union Coal Co., coal	243.82	
G. A. Vermille Insurance Agency, insurance premium	15.00	
	<hr/>	\$365.07

PRINTING AND STATIONERY.

John B. Clarke Co., 1 ledger and cover, and printing	\$23.25	
Temple & Farrington Co., paper.....	1.15	
Williams Printing Co., printing.....	7.25	
John R. Willis, P. M., envelopes.....	10.62	
	<hr/>	\$42.27

TEAM EXPENSES.

Arthur S. Brown, hay and grain.....	\$486.35	
George E. Darrah, D. V. S., services	3.00	
S. P. Dodge Co., material and repairs.....	110.59	
Frank T. Moore, 2-horse sleds.....	55.00	
L. P. Tremblay & Co., horseshoeing.....	46.00	
N. J. Whalen, repairs and supplies.....	7.45	
	<hr/>	\$708.39

REPAIRS AND IMPROVEMENTS.

Austin Manufacturing Co., supplies.....	\$13.55
Board of Public Works, pipe	133.00
Boston & Maine Railroad, freight.....	51.64
A. S. Brown, cement	63.00
S. P. Dodge Co., sharpening tools.....	8.95
W. E. Dunbar & Sons loam.....	734.00
R. & J. Farquhar & Co., 12 hot bed mats.....	14.50
Finney Upholstering & Window Cleaning Co., upholstering chair	2.25
J. D. French, loam	200.00
C. DeMoulpied & Co., table and shades.....	13.70
Hamblet Machine Co., sewer castings.....	42.00
A. H. Hews & Co., Inc., bulb pans.....	3.90
J. Hodge, grade stakes, etc.....	36.87
A. P. Horne, begonias.....	10.00
A. P. Horne & Co., plants.....	73.37
Imperial Decorating & Awning Co., 6 grave covers	36.00
H. J. Lawson, repairing radiator.....	2.67
Manchester Supply Co., pipe	40.12
The Modoc Co. Inc., Spra-Sulphur.....	6.00
N. H. Cement Construction Co., building two concrete bridges, per contract.....	500.00
Palmer & Garmon, broken stone.....	435.50
A. L. Perry, mason work.....	406.90
Pike & Heald Co., material and labor.....	15.23
C. O. Polson, painting, papering, whitewashing	911.72
Edgar W. Poore, paper and hanging same....	32.44
Reade Manufacturing Co.:	
Weed exterminator	79.00
1 road cart	20.00
Elmer E. Reed, mason work.....	17.94
Robie Consolidated Concrete Co., concrete....	407.50
George Schelzel, supplies and vulcanizing....	20.56
Semit-Solvay Co., calcium chloride.....	180.08
Standard Oil Co., gasoline.....	123.60
D. F. Sullivan Auto Co., supplies.....	6.20
James Thompson, loam.....	292.00
John B. Varick Co., tools and hardware.....	443.30
West Side Lumber Co., lumber and labor.....	134.98
Wood, Stubbs & Co., grass seed.....	28.00

 \$5,540.47

VALLEY CEMETERY.

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SUNDRIES.

Edwin F. Jones, making annual report.....	\$25.00	
James A. Colby, cleaning vaults.....	18.00	
		<hr/> \$43.00
Total expenditures	\$22,500.00	<hr/> <hr/>

Valley Cemetery.

Appropriation	\$6,000.00	<hr/> <hr/>
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EXPENDITURES.

LABOR.

January	\$237.37	
February	307.00	
March	227.75	
April	347.25	
May	587.75	
June	406.75	
July	479.25	
August	408.00	
September	518.75	
October	400.75	
November	518.50	
December	388.50	
		<hr/> \$4,827.62

FUEL, STATIONERY, TELEPHONE.

W. E. Dunbar & Sons, coal.....	\$54.00	
New England Telephone & Telegraph Co., use of telephone	24.10	
Sampson & Murdock Co., 1 directory.....	5.00	
E. C. Smith, cash paid for envelopes and stamps	6.26	
		<hr/> \$89.36

TEAM EXPENSES.

H. J. Dexter, horseshoeing	\$10.25
S. P. Dodge Co., repairs	24.85
F. H. Masse & Co., hay and grain.....	93.18

Frank J. Smith, barn rent.....	\$36.00	
Joseph Vogel & Co., harness repairs.....	5.10	
		<u>\$169.38</u>

REPAIRS AND IMPROVEMENTS.

The Barton Co., duck and sewing.....	\$10.10	
Bridget Clune, dressing.....	8.00	
D. F. Cronin, cutting tree.....	6.00	
J. Hodge Estate, lumber.....	46.38	
J. H. Mendell Co., lumber and labor on new bridge	29.99	
Palmer & Garmon, crushed stone.....	80.00	
Henry W. Parker, cement	196.90	
Pine Grove Cemetery, plants	88.20	
Reade Manufacturing Co., weed killer.....	23.00	
E. C. Smith, loam	42.00	
Charles Thompson, repairing clock.....	1.00	
John B. Varick Co., hardware and tools.....	147.64	
West Side Lumber Co., lumber.....	18.30	
C. L. Wolf, grate, pipe, washers, labor.....	7.40	
		<u>\$704.91</u>

SUNDRIES.

Harrie H. Clement, typewriting.....	\$3.00	
F. C. Livingston, salary as clerk of sub-trus- tees, 1915 and 1916.....	20.00	
E. C. Smith:		
Cash paid for freight, shavings.....	8.03	
Expenses to Norfolk convention.....	90.00	
		<u>\$121.03</u>

Total expenditures	\$5,912.30	
Transferred to unappropriated money.....	87.70	
		<u>\$6,000.00</u>

Amoskeag Cemetery.

Appropriation	\$300.00
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EXPENDITURES.

LABOR.

George C. Harwood	\$138.00	
Peter Sefton	81.00	
		<u>\$219.00</u>

SUNDRIES.

John Francis plants	\$5.00	
John B. Varick Co., sharpening lawn mowers	5.00	
		<u>\$10.00</u>
Total expenditures		\$229.00
Transferred to unappropriated money.....		71.00
		<u>\$300.00</u>

Merrill Cemetery.

Appropriation	\$100.00
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EXPENDITURES.

LABOR.

May	\$15.75	
September	15.00	
December	61.05	
		<u>\$91.80</u>

SUNDRIES.

West Side Lumber Co., lumber	\$8.20
Total expenditures	<u>\$100.00</u>

Printing and Advertising.

Appropriation	\$500.00	
Transferred from unappropriated money.....	199.56	
		<u>\$699.56</u>

EXPENDITURES.

SUNDRIES.

John B. Clarke Co., printing	\$652.30	
Department of Education, 50 order books....	15.40	
Sun Printing Co., printing.....	10.00	
John R. Willis, P. M., envelopes and cards....	21.86	
		<u>\$699.56</u>
Total expenditures		<u>\$699.56</u>

Books and Stationery.

Appropriation	\$50.00
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EXPENDITURES.**SUNDRIES.**

John B. Clarke Co., printing.....	\$4.25	
George D. Fitts, stationery and books.....	6.38	
Remington Typewriter Co., adjusting machine	.75	
John R. Willis, P. M., envelopes.....	10.68	
		\$22.06
Total expenditures		\$22.06
Transferred to unappropriated money.....		27.94
		\$50.00

Furniture and Supplies.

Appropriation	\$1,500.00
Transferred from unappropriated money....	17.14
	\$1,517.14

EXPENDITURES.**SUPPLIES.**

American Sales Book Co., supplies	\$19.05	
L. J. Cowie & Co., carbon paper and typewriter ribbons	24.00	
Elbe File & Binder Co., 1 binder.....	1.55	
Farrell Brothers, lamps, mantles.....	30.95	
George D. Fitts, stationery supplies.....	13.98	
L. M. Folsom, ribbon.....	8.26	
W. P. Goodman, labels	1.25	
James W. Hill Co., flags and bunting.....	34.33	
Johnson Paper Co., manifold paper.....	1.35	
W. E. King, ink powder.....	18.00	
Carl S. Magoon, carbon paper.....	1.25	
Office Toilet Supply Co., service.....	3.30	
Star Stamp Co., ink.....	26.90	
John B. Varick Co., supplies.....	7.64	
John R. Willis, P. M., envelopes, postals, stamps	61.76	
		\$253.57

FURNITURE.

Building Department, tables and blackboards..	\$7.22	
Educational Equipment Co., chairs.....	130.82	
Fontaine, Duguay & Co., desks, chairs and tables	45.04	
Granite State Rubber Co., mats.....	8.25	
C. A. Hoitt Co., desks, chairs, shades, tables..	218.60	
Kenney Bros. & Wolkins, desks, inkwells, mats, etc.	357.40	
A. A. Mooney Furniture Co., desk and table..	21.75	
Piper-McIntire Co., piano and cover.....	192.75	
P. J. Thornton, clocks.....	31.52	
W. C. Toles Co., 15 manual training benches with vises	218.14	
		<u>\$1,231.49</u>

SUNDRIES.

Walter E. Graf, cartage.....	\$23.21	
Standard Electric Time Co., repairs.....	8.87	
		<u>\$32.08</u>
Total expenditures		<u>\$1,517.14</u>

Fuel.

Appropriation	\$13,000.00	
Transferred from unappropriated money.....	344.16	
		<u>\$13,344.16</u>

EXPENDITURES.

COAL.

L. B. Bodwell	\$5,645.11	
Moore & Preston Coal Co.	6,106.50	
J. P. Russell	1,246.59	
		<u>\$12,998.20</u>

WOOD.

W. E. Dunbar & Sons.....	\$71.50	
Maxwell Ice Co.	87.50	
		<u>\$159.00</u>

SUNDRIES.

J. Newell Brown, weighing coal	\$120.00	
Frank R. Brown, weighing coal.....	42.50	
J. J. Moreau & Son, brooms, shears, baskets, ash cans and dust wax.....	24.46	
		<hr/>
		\$186.96
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Total expenditures		\$13,344.16
		<hr/> <hr/>

Contingent Expenses.

Appropriation	\$7,000.00	
Transferred from unappropriated money.....	1,477.36	
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		\$8,477.36
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EXPENDITURES.

ELECTRIC LIGHTS, GAS, TELEPHONES.

Manchester Traction, Light & Power Co., elec- tric lights and power	\$1,984.44	
New England Telephone & Telegraph Co., use of sundry telephones	244.51	
Peoples Gas Light Co., gas.....	445.10	
		<hr/>
		\$2,674.05

TRANSPORTATION OF TEACHERS AND PUPILS.

Henry A. Boone	\$183.00	
Maude E. Brown	36.00	
W. J. Powers	9.00	
Daniel Readey	122.40	
Henry K. Stein.....	473.20	
Mrs. Willis Totton	382.00	
D. J. Tufts	704.00	
F. E. Willey	736.00	
		<hr/>
		\$2,645.60

SUNDRIES.

Amoskeag Congregational Society, use of chapel and janitor service	\$7.00
C. W. Anderson & Co. clocks.....	8.00

Charles W. Bickford, cash paid, expenses to Boston, sundry times; expenses to Detroit, and paid for labor.....	\$119.87
William Burbank, drawing teacher at High school	60.00
Building Department, material and labor.....	88.61
Boston Bank Note Co., diplomas.....	47.04
Edward H. Currier, expenses to Fitchburg and Boston, telegram, stamps, typewriting.....	15.50
George A. Dickey, expenses looking up candidates for superintendent of schools.....	9.63
Mabelle C. Dow, work at High school library..	14.00
Charles G. Dunnington, water and ice.....	56.00
Farrell Brothers, lamps and mantles.....	108.71
L. M. Folsom, ribbon.....	46.70
A. L. Franks & Co., lamps.....	26.28
William Giguere, horse hire.....	11.00
Walter E. Graf, cartage.....	72.80
Elmer D. Goodwin, use of chairs.....	6.00
Granite State Rubber Co., mats.....	16.50
J. H. Hesser, engrossing diplomas.....	15.30
W. F. Henderson, removing supplies from Bakersville schoolhouse	4.00
E. H. Holmes, cartage	5.00
Esther Huse, work in library	4.00
Imperial Decorating Co., decorating for High school exercises, May 29.....	5.00
A. A. Jenkins, tuning pianos	17.50
Kenney Bros. & Wolkins, resetting desks, etc..	11.03
W. H. Knowlton, 1 bubbler fountain.....	6.00
O. H. Koford, tuning pianos.....	17.50
Gaston J. Lanouette, use of chairs.....	25.50
George H. Libbey, cash paid for traveling expenses from Auburn, Maine, at summons of committee	6.30
Manchester Amusement Co.:	
Use of Auditorium	12.50
Rent of Palace theatre	150.00
The Manchester Bindery Co., binding and re-binding books	40.40
Charles H. Martel, authorized allowance for telephone service	36.00
Amelia McWeeney, rent of room for school purposes	432.00
N. E. O. P. Building Association, rent of hall..	38.00
Fred W. Newry, moving books, etc.....	4.00
W. H. Newry, moving books, etc.....	4.00

Office Toilet Supply Co., toilet service.....	\$3.30
F. B. Parsons, 12 cases	2.40
Anna A. Patterson, transportation from Frelighsburg, Canada, called by committee on domestic science	11.35
W. J. Powers, moving books, etc.....	4.00
C. A. Prosser, 1 copy Minneapolis survey.....	.75
Putnam & Laflamme, boiler insurance premium	\$87.44
Martin G. Sanborn, engrossing diplomas.....	61.32
Miles Sampson, teaching mechanical drawing	100.00
Society of Friends, rent of chapel.....	90.00
Star Stamp Co., stamps and numbering machine	13.35
Standard Electric Time Co., tapes and placing tape	10.57
C. D. Steele, ham and bread, domestic science	4.86
Ruth Stratton, work on promotion lists.....	37.50
Herbert F. Taylor, paid for express, postage, cards, stamps	20.43
Mary E. Thayer, clerical work, superintendent's office	55.50
Barbara Thurber, work in library.....	2.60
C. A. Trefethen, 1 clock.....	4.00
J. O. Turcotte, use of chairs.....	23.33
Union Welding Co., repairing punch.....	.50
John B. Varick Co., baskets.....	.55
Ned T. Wallace, expenses to Fitchburg, Mass..	8.45
Water Commissioners, use of water.....	264.00
F. L. Wallace Sons, use of chairs.....	1.00
Walter S. Young, mileage, Worcester to Manchester and return	2.84
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	\$3,157.71

Total expenditures	\$8,477.36
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Care of Schoolrooms.

Appropriation	\$15,000.00
Transferred from unappropriated money....	1,397.43
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	\$16,397.43

EXPENDITURES.

JANITORS.

John S. Avery	\$550.00
Marshall N. Badger	300.00
Edwin N. Baker	500.00
Octave Bergeron	550.00
Frank R. Brown	21.00
Joseph H. Buffum	501.83
Patrick Campbell	36.00
Homer M. Davis	566.17
James Fitzgerald	350.00
Sherman L. Flanders	400.00
G. W. Flint	59.37
Charles S. Follansbee	450.00
Urbain Gelinus	550.00
William F. Henderson	591.69
Charles F. Jack	1,000.00
George H. Jack	298.89
Harvey H. Johnson	550.00
Mrs. F. T. Kelley	101.50
George Lawrence	173.43
Robert W. Lee	120.57
Hugh McVicar	650.00
Robert R. Marshall	80.00
Gabriel Martin	65.00
Michael F. Moran	600.00
G. M. Morse	123.05
C. M. Newry	53.20
Fred W. Newry	650.00
William H. Newry	646.92
Louis P. Perron	300.00
Edward A. Powers.....	600.00
William J. Powers.....	600.00
Esquire Priestley	600.00
J. W. Riley	266.64
Philip Rogler	550.00
Dennis Sullivan	395.60
William A. Tufts	650.00
Herman A. Wheeler	32.00

 \$14,532.86

SUNDRIES.

Amoskeag Manufacturing Co., soap.....	\$40.00
The Arco Co., supplies	134.40
Boston Spray Co., "Mist".....	10.00

Building Department:

Fence at Mosquito Pond school.....	\$8.45
Labor	2.99
The Cudahy Packing Co., soap	20.25
Daniels-Cornell Co., soap, etc.....	55.90
C. G. Dunnington, furnishing water.....	18.00
Dustwax Manufacturing Co., dustwax.....	109.50
M. F. Ellis & Co., toilet paper, maps, freight..	208.00
Farrell Brothers, lamps and shades.....	44.85
Finney Upholstering & Window Cleaning Co., cleaning windows	13.40
J. D. French, sand	30.60
Walter E. Graf, cartage	13.05
Elliott Grover, moving chairs.....	4.25
Mrs. Nellie Hardy, cleaning	33.20
William Hardy, assisting janitor, High school.	5.00
C. A. Hoitt Co., denim and repairing shades..	2.43
W. S. Holt & Son, waste and cheese cloth.....	35.54
International Chemical Co., Thermosol.....	8.14
C. F. Jack, incidental expenses.....	178.65
A. J. McKelvie, 2 lifters.....	.30
Manchester Hardware Co., hardware, hose, dusters, etc.	17.83
Manchester Machine Works, labor on bolts....	4.26
Masury-Young Co., cheese cloth.....	32.48
Mrs. W. H. Marshall, cleaning	6.00
J. J. Moreau & Son, ash cans, hose, reel, wring- ers, brushes	155.31
John Muir, lumber	3.58
New England Telephone & Telegraph Co., use of telephone	4.78
F. E. Nelson Co., glass ware, tinware, etc....	8.00
Pay-roll, January, cleaning	53.00
The Palami Products Co., Palami jelly.....	27.63
Pike & Heald Co., brushes.....	1.35
The Pioneer Manufacturing Co., dusters	4.00
H. A. Piper, 5 screw drivers.....	1.50
Sanborn Carriage Co., welding	2.50
Spencer Turbine Cleaner Co., supplies.....	46.50
John H. Stevens, supplies	13.34
John B. Varick Co., supplies	479.76
Washburn Purizone Co., Inc., disinfectant....	22.10
Irving Westover, moving chairs.....	3.75
	<hr/>
	\$1,864.57
Total expenditures	<hr/>
	\$16,397.43

Evening Schools.

Appropriation	\$2,500.00
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EXPENDITURES.

SALARIES.

Emmet D. Borden.....	\$39.00
Milton Cilley	33.00
Floyd Cheney	75.00
E. C. Christophe	38.00
Mrs. Colby	38.00
Ferdinand Farley	22.00
Harry French	35.00
Samuel C. Forsaith.....	44.00
Miss Horan	69.00
Richard H. Horan	101.00
Arthur Hayeslip	39.00
Margaret G. Linen	75.00
E. J. Maher	75.00
J. J. Mahoney	150.00
Emma A. Manter	7.00
A. E. Martin	38.00
Richard V. McAllister	56.00
Claire R. McDerby.....	39.00
Katherine McDonald	75.00
T. A. McCabe, Jr.	62.00
Juliette E. Melancon	39.00
Myra Moore	36.00
Arthur P. Morrill	150.00
Adelia Murphy	86.00
T. F. Nolan	28.00
Genevieve O'Connell	38.00
Emil J. Palisoul	38.00
Apostle Papaspyros	31.00
Harry Pillsbury	36.00
Mrs. Mabel Pillsbury	19.00
Victoria H. Saigh	38.00
Mrs. H. P. Silverthorn.....	75.00
James W. Smith	86.00
Cornelius Spaulding	39.00
H. M. Stevens	7.00
Helen Sweeney	69.00
A. J. Tonery	150.00
Bertrand E. Tremblay	18.00
A. E. Waters	44.00

E. B. Willand.....	\$135.00	
A. C. Warner	39.00	
		<hr/>
		\$2,311.00

SUNDRIES.

D. C. Heath & Co., books	\$6.81	
Houghton, Mifflin Co., books	12.96	
		<hr/>
		19.77

Total expenditures	\$2,330.77	
Transferred to unappropriated money.....	169.23	
		<hr/>
		\$2,500.00

Evening School, Mechanical Drawing.

Appropriation	\$200.00
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EXPENDITURES.

SALARIES.

Thomas Currie, services as teacher.....	\$80.00	
C. M. Curl, services as teacher.....	80.00	
		<hr/>
		\$160.00

Total expenditures	\$160.00	
Transferred to unappropriated money	40.00	
		<hr/>
		\$200.00

Teachers' Salaries.

Appropriation	\$190,000.00	
Appropriation, temporary loan	6,000.00	
Transferred from unappropriated money.....	606.96	
		<hr/>
		\$196,606.96

EXPENDITURES.

January	\$19,140.22
February	20,150.22
March	19,928.84
April	19,892.68

May	\$19,853.92	
June	19,859.73	
September	18,996.25	
October	19,336.08	
November	19,890.81	
December	19,558.21	
		<hr/> \$196,606.96
Total expenditures		<hr/> \$196,066.96 <hr/>

Free Text-Books.

Appropriation	\$12,000.00
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EXPENDITURES.

FREE TEXT-BOOKS AND SUPPLIES.

Adams Morgan Co.	\$15.00
Gertrude Adams	5.00
Allyn & Bacon	142.52
American Book Co.	1,979.92
The American Penman	2.00
Amoskeag Textile Club	60.65
Atkinson Mentzer & Co.	65.76
D. Appleton & Co.	6.37
E. E. Babb & Co.	1,819.62
The Barton Company	25.95
Bausch & Lomb Optical Co.	204.30
C. C. Birchard & Co.	87.82
Mrs. E. S. Blenus	1.07
Milton Bradley Co.	378.63
H. A. Brown	7.35
Lelia A. Brooks	10.00
Helen Bullard	4.46
Cambridge Botanical Supply Co.	62.71
L. H. Carpenter	15.00
Mendon Chapman	8.25
Clapp-Eastham Co.	12.58
Clark Brothers	62.06
John B. Clarke Co.	20.50
C. H. Congdon	1.50
A. H. M. Curtis	5.00
The Cloverdale Co. ....	.59

Daniels-Cornell Co.	\$19.50
Eugene Dietzgen Co.	28.25
Oliver Ditson Co.	19.78
Farrell Brothers	41.71
Carl Fischer	14.39
George D. Fitts	720.82
J. R. Foster	2.60
Ginn & Co.	796.86
W. P. Goodman	83.39
Granite State Rubber Co. ....	.44
Gregg Publishing Co.	180.73
J. L. Hammett Co.	1,353.94
Peter Harris & Son	1.55
H. E. Hastings	2.25
D. C. Heath & Co.	720.73
James W. Hill Co.	123.34
W. H. Hitchcock	5.00
Holden Patent Book Cover Co.	2.44
Henry Holt & Co.	119.82
Houghton, Mifflin Co.	107.68
W. H. Huse	10.00
Johnson Paper Co.	1.70
Barbara B. Joy	13.00
Kenney Bros. & Wolkins	65.23
Keuffel & Esser Co.	4.33
W. E. King	17.25
L. E. Knott Apparatus Co.	4.73
D. H. Knowlton & Co.	2.40
Library Bureau	11.72
Little, Brown & Co.	9.93
Carl S. Magoon	30.83
Manchester Traction, Light & Power Co.	5.14
The MacMillan Co.	246.77
McKinley Publishing Co.	8.71
Emma McLaren	10.00
Charles E. Merrill Co.	143.17
The Mentor Association, Inc.	3.00
J. J. Moreau & Son	28.60
The Wm. J. Murdock Co.	57.10
Mary E. Moulton	10.00
National Biscuit Co.	16.50
F. E. Nelson Co. ....	.50
Neostyle Company	122.93
New Century Press	5.53
E. S. Newton	1.39
The Omnigraph Manufacturing Co.	16.00
The Palmer Co.	8.65

The A. N. Palmer Co.	\$12.34
Pearson's Market	4.34
Henry N. Pratt	6.50
Rand, McNally & Co.	10.00
Remington Typewriter Co.	4.01
Research Department, Training School, Vine- land, N. J.	3.08
T. P. W. Rogers	13.60
Charles Scribner's Sons	40.30
Scott, Foresman & Co.	72.97
Silver, Burdett & Co.	685.12
E. A. Stratton Co.	2.00
Charles D. Steele	157.81
Thacker-Craig Paper Co.	15.03
Temple & Farrington Co.	3.88
Tracy Music Library	3.52
Eugene T. Turney Co.	6.08
Union Grocery Co.	3.60
John B. Varick Co.	49.47
Wadsworth, Howland & Co., Inc.	35.02
Walsh & Cummings	25.73
Julian T. Webber	13.38
Westcott-Jewell Co.	7.91
Whitcomb & Barrows	9.25
Alta C. Willand	10.00
H. W. Wilson Co.	12.00
Williams Printing Co.	2.00
George Winch	10.00
World Book Co.	48.96
Annabel D. Wyman	10.00
	<hr/>
	\$11,482.84

SUNDRIES.

Walter E. Graf, freight and cartage	\$69.55
	<hr/>
Total expenditures	\$11,552.39
Transferred to unappropriated money	447.61
	<hr/>
	\$12,000.00
	<hr/> <hr/>

Manual Training.

Appropriation	\$700.00
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EXPENDITURES.

SUNDRIES.

Eugene Dietzgen Co., drawing supplies.....	\$31.95	
B. F. Elwell Glue Co., glue.....	8.77	
Favor, Ruhl & Co., wheels resharpened.....	3.07	
A. L. Franks & Co., lamps, wire, etc.....	10.49	
Walter E. Graf, cartage and freight.....	9.59	
Hubbard Sash, Door & Lumber Factory, lum- ber	108.43	
John B. Varick Co., hardware, etc.....	298.28	
J. M. Woods & Co., wood, sundry kinds.....	195.66	
		<u>\$666.24</u>
Total expenditures		\$666.24
Transferred to unappropriated money.....		33.76
		<u>\$700.00</u>

Portable Schoolhouse.

Appropriation	\$1,600.00
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EXPENDITURES.

Transferred to Domestic Science Equipment, High School, account	\$1,600.00
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Care of School Clocks.

Appropriation	\$300.00
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EXPENDITURES.

C. W. Anderson & Co.	\$1.50	
P. J. Thornton	126.50	
Charles A. Trefethen	122.00	
		<u>\$250.00</u>
Total expenditures		\$250.00
Transferred to unappropriated money.....		50.00
		<u>\$300.00</u>

Repair of School Furniture.

Appropriation \$500.00

EXPENDITURES.

SUNDRIES.

Building Department, material and labor.....	\$208.31
Farrel Brothers, lamps and mantles.....	32.09
C. A. Hoitt Co., shades, repairing tables.....	46.30
J. Hodge, chair rounds	2.00
Manchester Traction, Light & Power Co., lamps	26.28
J. J. Moreau & Son, upholstering.....	1.50
Harry A. Piper, 1 roll Venetian shade tape....	7.00
James A. Scully, chair seats.....	68.40
John B. Varick Co., supplies.....	34.34
West Side Lumber Co., fence rails.....	5.00
	<hr/>
	\$431.22
	<hr/>
Total expenditures	\$431.22
Transferred to unappropriated money.....	68.78
	<hr/>
	\$500.00
	<hr/>

Additions to Chandler, Wilson and Maynard Schools.

Balance from last year unexpended \$35,243.77

EXPENDITURES.

SUNDRIES.

Adelard Dumont, balance due on building con- tract including all extras, Wilson school....	\$7,650.44
Fontaine, Duguay & Co., desks, Wilson school.	45.00
A. L. Franks & Co.:	
Changing bell system, Maynard school.....	72.00
Extra wiring, bells, fixtures, etc., Wilson school	275.00
C. A. Hoitt Co., shades, Maynard school.....	108.50
Hutchins & French, architects, balance due...	1,012.50
Kennedy & Peterson Construction Co., build- ing contract, Maynard school.....	20,250.00

Kenney Bros. & Wolkins:

Desks and chairs, Maynard school.....	\$653.20	
Desks and chairs, Wilson school	593.84	
William T. Townner, architect, Wilson school,		
balance due	497.59	
		<hr/>
		\$31,158.07
		<hr/>
Total expenditures		\$31,158.07
Transferred to unappropriated money.....*		4,085.70
		<hr/>
		\$35,243.77
		<hr/> <hr/>

School Officials' Salaries.

Appropriation	\$7,850.00
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EXPENDITURES.

Charles W. Bickford, superintendent.....	\$1,600.00	
Frances Abbott, clerk for superintendent.....	250.00	
Curtis W. Davis, truant officer.....	1,500.00	
Alexander J. Demers, clerk for truant officers	699.96	
Fannie L. Sanborn, clerk for superintendent.	186.75	
Herbert F. Taylor, superintendent.....	1,333.32	
Marcia R. Winship, clerk for superintendent..	233.45	
Harry J. Woods, truant officer	1,200.00	
Board of School Committee:		
George A. Dickey, ward 1.....	25.00	
Allan M. Wilson, ward 2.....	25.00	
George M. Watson, ward 3.....	25.00	
Edward H. Currier, ward 4	25.00	
Frank X. Carroll, ward 5.....	25.00	
Winfield S. Sanborn, ward 6.....	25.00	
Francis J. Hurley, ward 7.....	25.00	
Percy J. Callaghan, ward 8.....	25.00	
Frank R. Vose, ward 9	25.00	
Ned T. Wallace, ward 10.....	25.00	
Ora W. Craig, ward 11.....	25.00	
Lucien J. Martin, ward 12.....	25.00	
Gaston Fredette, ward 13.....	25.00	
Charles H. Martel, clerk of board.....	300.00	
		<hr/>
		\$7,628.48
		<hr/>
Total expenditures		\$7,628.48
Transferred to unappropriated money.....		221.52
		<hr/>
		\$7,850.00

Domestic Science Equipment, High School.

Appropriation	\$1,000.00	
Transferred from portable schoolhouse account	1,600.00	
		<u>\$2,600.00</u>

EXPENDITURES.

SUNDRIES.

Amoskeag Manufacturing Co., castings and labor	\$23.52	
Barton Company, crockery, etc.....	29.30	
Building Department, material and labor.....	391.48	
Derryfield Co., china closet, wardrobe, 12 tables	443.00	
C. A. Hoitt Co., furniture, crockery, glass and tinware	524.15	
A. J. McKelvie, tin and labor	2.58	
F. E. Nelson Co., knives, wooden ware, towels, etc.	38.54	
Peoples Gas Light Co., gas ranges and hot plates	127.55	
Singer Sewing Machine Co., 4 sewing machines	92.16	
John H. Stevens, plumbing, etc.....	756.25	
John B. Varick Co., crockery, plated knives and forks, glass and tinware.....	159.01	
Walsh & Cummings, first aid remedies.....	5.24	
		<u>\$2,592.78</u>
Total expenditures		\$2,592.78
Transferred to unappropriated money.....		7.22
		<u>\$2,600.00</u>

Paupers Off Farm.

Appropriation	\$22,600.00
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EXPENDITURES.

LABOR.

Joseph L. Boudreau, salary as overseer of poor	\$1,500.00
Violette Boudreau, services as clerk.....	25.00

Juliette E. Melancon, services as clerk.....	\$495.00	
Aurore Parent, services as clerk.....	250.00	
		<hr/>
		\$2,270.00

OFFICE EXPENSES.

Caron & Lambert, team hire.....	\$23.25	
John B. Clarke Co., printing.....	18.00	
George D. Fitts, cabinet and cards.....	7.00	
N. J. Fontaine & Co., cleaning rugs.....	5.50	
W. P. Goodman, stationery and books.....	26.70	
The Keystone Press, printing, etc.	14.35	
Manchester Coal & Ice Co.:		
Ice, 1915	6.35	
Ice, 1916	4.30	
Manchester Street Railway, car tickets.....	125.00	
New England Telephone & Telegraph Co., use of telephone	25.55	
Putnam & Laflamme, premium on bonds.....	15.00	
John B. Varick Co., 1 mop .....	.89	
John R. Willis, P. M., stamps.....	40.00	
		<hr/>
		\$311.89

GROCERIES AND PROVISIONS.

Arthur Allison	\$152.00
Annis Flour & Grain Co.	6.00
Batchelder & Cushman.....	7.28
Paul Bellefeuille	120.00
Napoleon Boisvert	139.44
Jean B. Bouchard	164.00
Joseph Bouchard	107.21
Bourgeois & Co.	20.00
J. E. Bourgeois	136.00
Brock & Brown	50.00
Joseph A. Bureau	820.00
J. H. Canney	26.61
John Carrier	88.00
P. J. Charron	779.90
C. H. Clark & Sons.....	95.76
Edmond Daigle	130.00
Napoleon Daigle	128.00
Joseph M. Demers	433.75
Depelteau Brothers	48.00
Dionne & Brule	74.00
Eugene G. Dubois	978.30
O. F. Dubois	554.00

Ducharme Brothers	\$24.00
Fred J. Duguay	60.00
Joseph Dumas & Son.....	125.70
Gagne & Martel	236.00
J. H. Gagnon	24.00
S. E. Gagnon & Co.	120.00
Gaillardet & Rivard.....	92.00
Gaudreau Brothers	8.00
Alvin C. Gaudes	24.00
J. Oscar Gaudette	128.00
Philippe Gaudette	24.00
Gauvin Brothers	60.00
Ernest Gelinas	280.00
L. J. Gingras	141.98
Urbain Girard	110.00
Nikodem Golej	80.00
Gorman Brothers	74.00
H. Goudreault	70.00
P. F. Grenier	202.00
E. H. Griffin & Co.	857.30
James J. Griffin	360.00
Guay & Pigeon	59.00
Omer H. Hamel	166.90
Jack Hastings	6.00
John Healy	110.00
A. P. Hermsdorf	172.40
Thomas Irzyk	40.00
F. P. Johnson Co.	32.00
T. J. Labrecque	158.00
Norbert Lafond	128.00
Lamoureux Brothers	40.00
A. S. LaSalle	222.00
Amedee G. Ledoux	10.00
A. D. Lemay & Co.	130.00
Joseph L. Lucier	115.76
Michael Macek	64.00
Martel & Valliere	96.00
Martineau & Guilbert	44.00
Oscar McDuffee	237.47
Fred H. McPherson	88.00
A. M. Menard	230.08
E. D. Moore	52.00
Ulderie Morin	16.00
Frank Mruz	30.00
C. E. Newcomb	496.00
Charles Normand	186.00
E. A. Noyes	30.00

Ubold E. Noury	\$23.00
Hertel Pariseau	361.00
August Pearson	26.00
Edmond Pinard	471.00
A. D. Prince	40.00
Albert H. Prince	102.00
Guy T. Robinson	69.67
Rock Rimmon Market	18.00
S. A. Rouleau	371.00
Almonzar Samson	52.00
Mary Sowa	120.00
Frank V. Steele	120.00
C. D. Steele & Co.	93.27
Talbot & Landry	77.80
Moise Verrette	315.90
H. T. Vezina	343.00
E. C. Voisard	841.00
Wiggin-Young Co.	130.00
H. H. Williams	96.00
<hr/>	
	\$14,789.48

FUEL.

P. Allison	\$3.00
A. T. Beaumier	58.00
Joseph Dubois	2.00
W. E. Dunbar & Sons	39.13
F. V. Duplessis	2.00
Fellows & Son	10.25
C. A. & A. W. Flint	22.30
Arthur Gagne	3.50
T. Garber	4.00
Joseph Huard & Son	3.00
John Jablonski	5.00
Jean B. Lacasse	46.75
Charles E. Lessard	64.25
T. J. Lemire	3.00
Joseph Masse	94.89
B. J. Mack	8.00
Moore & Preston Coal Co.	98.13
New England Cash Coal & Wood Co.	13.25
Plodzick Wood & Coal Co.	3.00
Edgar W. Poore	8.00
D. M. Poore Coal Co.	41.88
Raiche & Prince	94.50
Alfred Richard	28.50
Union Coal Co.	2.35
West Side Lumber Co.	2.00
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	\$660.68

BOARD AND CARE AND RENT.

Mrs. Fred Beauchemin	\$96.00
Augustus Benway	50.00
Mrs. G. Burke	144.00
Athanase Coulombe	23.40
Joseph Dumas	104.00
Myra E. Glidden	96.00
Hillsborough County Farm.....	952.54
Mrs. Robert Keefe	26.00
Manchester Children's Home	88.00
Notre Dame Hospital	270.00
Notre Dame Orphanage	458.00
Old Ladies' Home	288.00
St. Joseph's Boys' Home.....	152.00
St. Patrick's Orphanage	152.00
St. Pierre Orphanage	768.00
Mrs. Mary H. Walker	96.00
Mrs. John Wilson	72.00
	<hr/>
	\$3,835.94

BOOTS AND SHOES.

A. T. Beaumier	\$177.75
Besse-Eldridge Co.	5.00
Costello Brothers	3.00
G. W. Dodge Shoe Co.	10.25
Elite Quality Boot Shop	80.40
Family Shoe Store.....	14.60
C. Feldman	3.00
Theophile Gelinas	6.00
William Marcotte & Co.	6.21
New Idea Shoe Co.	84.33
C. Pariseau & Co.	11.50
Pellerin & Simard	3.00
Philippe Pellerin	5.00
J. A. Raymond.....	5.50
Gustaf Schlougek	3.50
Saidel Co.	5.95
Slater Shoe Co.	5.00
Louis Nightingale	24.00
	<hr/>
	\$453.99

CLOTHING.

Besse-Eldridge Co.	\$10.00
Louis A. Dozois Co.	12.70
William Marcotte & Co.	3.98
Max Saidel & Brother	6.65
	<hr/>
	\$33.33

MEDICINE, MEDICAL SERVICES, FUNERAL EXPENSES.

Boufford, Letendre & Co., burial outfits.....	\$83.00	
J. Doucet & Co., medical supplies.....	3.55	
C. A. Folsom, M. D., professional services.....	6.00	
Oscar Giguere, medicine.....	1.35	
John B. Hall Co., medical supplies.....	23.95	
Kean, Sheehan & Sullivan, burial outfit.....	25.00	
Charles R. Leckie, medicine.....	1.50	
Gustave Lafontaine, M. D., professional services	3.00	
John A. Marshall, medical supplies	2.35	
Archie F. Precourt, medicine	4.00	
A. J. Precourt, medicine.....	1.65	
Rydin & Callaghan, medical supplies.....	2.00	
F. L. Wallace Sons, burial outfit.....	25.00	
	<hr/>	\$182.35

TRANSPORTATION.

Caron & Lambert.....	\$4.75	
Albert Russell	5.35	
	<hr/>	\$10.10
Total expenditures		\$22,547.76
Transferred to unappropriated money.....		52.24
		<hr/>
		\$22,600.00
		<hr/> <hr/>

Indigent Soldiers.

Appropriation	\$400.00
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EXPENDITURES.

GROCERIES.

Moise Verrette	\$96.00
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FUEL.

Moore & Preston Coal Co.	\$4.00	
J. P. Russell	17.50	
	<hr/>	\$21.50

BOARD OF EXAMINERS OF PLUMBERS.

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BOARD AND CARE AND RENT.

Joseph Katz	\$143.00	
Thomas Mitcheson	132.50	
		<u>\$275.50</u>

CLOTHING.

William Marcotte & Co.	\$5.00	
		<u>\$398.00</u>
Total expenditures		2.00
Transferred to unappropriated money.....		
		<u>\$400.00</u>

Purchase of Land Sold for Taxes.

Appropriation	\$3,500.00	
		<u></u>

EXPENDITURES.

Victor W. Roy, tax collector.....	\$2,551.99	
		<u>\$2,551.99</u>
Total expenditures		948.01
Transferred to unappropriated money.....		
		<u>\$3,500.00</u>

Board of Examiners of Plumbers.

Appropriation	\$50.00	
		<u></u>

EXPENDITURES.

SUNDRIES.

John B. Clarke Co., printing report.....	\$6.00	
The Keystone Press, printing	5.50	
Pike & Heald Co., supplies.....	25.30	
John H. Stevens, lead pipe and solder.....	10.98	
Temple & Farrington Co., binding records....	1.75	
		<u>\$49.53</u>
Total expenditures		\$49.53
Transferred to unappropriated money.....		.47
		<u>\$50.00</u>

Band Concerts.

Appropriation	\$300.00
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EXPENDITURES.

City band	\$50.00
Germania band	50.00
Jones' Band	50.00
Manchester Cadet Band	50.00
Provost's Band	50.00
Sobieski Band	50.00
	<hr/>
	\$300.00

Total expenditures	\$300.00
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Militia.

Appropriation	\$1,000.00
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EXPENDITURES.

Company A, First Regiment, N. H. N. G.....	\$100.00
Company B, First Regiment, N. H. N. G.....	100.00
Company F, First Regiment, N. H. N. G.....	100.00
Company K, First Regiment, N. H. N. G.....	100.00
Battery, N. H. N. G.....	100.00
Battalion and Band, First Regiment, N. H. N. G.	100.00
Joseph Freschl Post, G. A. R.....	100.00
Louis Bell Post, G. A. R.....	100.00
Manchester War Veterans.....	100.00
Spanish War Veterans	100.00
	<hr/>
	\$1,000.00

Total expenditures	\$1,000.00
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Decoration of Soldiers' Graves.

Appropriation	\$500.00
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EXPENDITURES.

Joseph Freschl Post, No. 94, G. A. R.....	\$100.00	
Louis Bell Post, No. 3, G. A. R.....	395.60	
		<hr/>
		\$495.60
		<hr/>
Total expenditures		\$495.60
Transferred to unappropriated money.....		4.40
		<hr/>
		\$500.00
		<hr/> <hr/>

State Tax.

Appropriation	\$136,552.50
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EXPENDITURES.

State of New Hampshire.....	\$136,552.50
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County Tax.

Appropriation	\$103,262.12
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EXPENDITURES.

County of Hillsborough	\$103,262.12
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Rebinding Old Records.

Appropriation	\$200.00
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EXPENDITURES.

Transferred to new account	\$200.00
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Relief of Soldiers' Families.

Appropriation by temporary loan.....	\$2,000.00
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EXPENDITURES.

Fred L. Allen, cash paid sundry persons.....	\$966.50
Total expenditures	\$966.50
Transferred to new account.....	1,033.50
	<u>\$2,000.00</u>

Animal Rescue League.

Appropriation	\$200.00
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EXPENDITURES.

Animal Rescue League, amount appropriated.....	\$200.00
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Annie Squire Helping Hand Society.

Appropriation	\$200.00
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EXPENDITURES.

Annie Squire Helping Hand Society, amount appropriated.....	\$200.00
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District Nursing Association:

Appropriation	\$300.00
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EXPENDITURES.

District Nursing Association, amount appropriated.....	\$300.00
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Elliot Hospital.

Appropriation	\$300.00
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EXPENDITURES.

Elliot Hospital, amount appropriated.....	\$300.00
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Girls' Club.

Appropriation	\$200.00
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EXPENDITURES.

Girls' Club, amount appropriated.....	\$200.00
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Hospice St. Vincent de Paul.

Appropriation	\$200.00
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EXPENDITURES.

Hospice St. Vincent de Paul, amount appropriated.....	\$200.00
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Infant Asylum Our Lady of Perpetual Help.

Appropriation	\$200.00
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EXPENDITURES.

Infant Asylum, Our Lady of Perpetual Help, amount appropriated	\$200.00
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Infant Aid Association.

Appropriation	\$200.00
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EXPENDITURES.

Infant Aid Association, amount appropriated.....	\$200.00
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Manchester Boys' Club.

Appropriation	\$200.00
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EXPENDITURES.

Manchester Boys' Club, amount appropriated.....	\$200.00
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N. H. Children's Aid and Protective Society.

Appropriation	\$200.00
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EXPENDITURES.

N. H. Children's Aid & Protective Society, amount appropriated	\$200.00
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Notre Dame de Lourdes Hospital.

Appropriation	\$300.00
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EXPENDITURES.

Notre Dame de Lourdes Hospital, amount appropriated...	\$300.00
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Notre Dame de Lourdes Girls' Orphanage.

Appropriation	\$200.00
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EXPENDITURES.

Notre Dame de Lourdes Girls' Orphanage, amount appropriated	\$200.00
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Orphelinat St. Pierre.

Appropriation	\$200.00
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EXPENDITURES.

Orphelinat St. Pierre, amount appropriated.....	\$200.00
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Sacred Heart Hospital.

Appropriation	\$300.00
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EXPENDITURES.

Sacred Heart Hospital, amount appropriated.....	\$300.00
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Salvation Army.

Salvation Army, amount appropriated.....	\$200.00
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EXPENDITURES.

Salvation Army, amount appropriated... ..	\$200.00
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Settlement Association.

Appropriation	\$200.00
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EXPENDITURES.

Settlement Association, amount appropriated.....	\$200.00
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St. John's Home.

Appropriation	\$200.00
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EXPENDITURES.

St. John's Home, amount appropriated.....	\$200.00
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St. Joseph's Boys' Orphanage.

Appropriation	\$200.00
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EXPENDITURES.

St. Joseph's Boys' Orphanage, amount appropriated.....	\$200.00
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St. Patrick's Girls' Orphanage.

Appropriation	\$200.00
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EXPENDITURES.

St. Patrick's Girls' Orphanage, amount appropriated.....	\$200.00
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W. C. T. U. Mercy Home.

Appropriation	\$200.00
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EXPENDITURES.

W. C. T. U. Mercy Home, amount appropriated.....	\$200.00
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Women's Aid Home.

Appropriation	\$300.00
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EXPENDITURES.

Women's Aid Home, amount appropriated.....	\$300.00
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West Side Reading Room.

Appropriation	\$200.00
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EXPENDITURES.

West Side Reading Room, amount appropriated.....	\$200.00
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Young Men's Christian Association.

Appropriation	\$200.00
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EXPENDITURES.

Young Men's Christian Association, amount appropriated..	\$200.00
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Resolution Raising Money and Making Appropriations for the Year One Thousand Nine Hundred and Sixteen.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the sum of one million, one hundred seventy-two thousand, twenty dollars and forty cents (\$1,172,020.40) be raised for the use of said city for the year one thousand nine hundred sixteen (1916) by tax on the estates liable to be taxed thereon in said city, which sum together with such unappropriated money as may now be in the city treasury, or may hereafter come into it, by tax on polls or any other source, shall be appropriated as follows, to wit:

CENTRAL DEPARTMENT.

Interest	\$64,000.00	
Sinking fund	17,885.00	
Payment of funded debt	52,000.00	
City hall	4,500.00	
Printing and stationery	3,500.00	
Incidental expenses	10,000.00	
Mayor's incidentals	600.00	
Land sold for taxes	3,500.00	
City officers' salaries.....	29,765.00	
Rebinding old records.....	200.00	
Hydrant service	20,000.00	
Care of city clocks.....	150.00	
Care of subway comfort.....	3,700.00	
Walker Park purchase.....	10,000.00	
		<hr/>
		\$219,800.00

DEPARTMENT OF TAXES.

State tax	\$136,552.50	
County tax	103,262.12	
		<hr/>
		\$239,814.62

AUDITOR'S DEPARTMENT.

Salaries and expenses.....	\$3,300.00
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ASSESSORS' DEPARTMENT.

Salaries and expenses.....	\$12,500.00
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ENGINEER'S DEPARTMENT.

Salaries and expenses	\$12,000.00
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CITY LIBRARY.

Salaries and expenses	\$18,000.00	
Purchase of books.....	1,000.00	
		<hr/>
		\$19,000.00

PATRIOTIC, CHARITABLE AND PHILANTHROPIC.

Women's Aid Home.....	\$300.00	
Elliot Hospital	300.00	
Sacred Heart Hospital.....	300.00	
Notre Dame Hospital	300.00	
District Nursing Association.....	300.00	
Mercy Home	200.00	
Infant Asylum	200.00	
Boys' Club	200.00	
Orphelinat St. Pierre	200.00	
West Side Reading Room.....	200.00	
Animal Rescue League.....	200.00	
Hospice St. Vincent de Paul.....	200.00	
St. John's Home.....	200.00	
St. Patrick's Girls' Orphanage.....	200.00	
Young Men's Christian Association.....	200.00	
Settlement Association	200.00	
St. Joseph's Boys' Orphanage.....	200.00	
Notre Dame Girls' Orphanage.....	200.00	
Infant Aid Association	200.00	
Girls' Club	200.00	
Salvation Army	200.00	
Annie Squire Helping Hand Society.....	200.00	
N. H. Children's Aid Society.....	200.00	
Decoration of soldiers' graves, Joseph Freschl Post, G. A. R.	100.00	
Decoration of soldiers' graves, Louis Bell Post, G. A. R.	400.00	
Company A, First Regiment, N. H. N. G.....	100.00	
Company B, First Regiment, N. H. N. G.....	100.00	
Company F, First Regiment, N. H. N. G.....	100.00	
Company K, First Regiment, N. H. N. G.....	100.00	
Battery, N. H. N. G.....	100.00	
Battalion and Band.....	100.00	
Joseph Freschl Post, G. A. R.....	100.00	
Louis Bell Post, G. A. R.....	100.00	
Manchester War Veterans.....	100.00	
Spanish War Veterans.....	100.00	
Band concerts	300.00	
		<hr/>
		\$6,900.00

BOARD OF EXAMINERS OF PLUMBERS.

Board of examiners of plumbers.....	\$50.00
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CEMETERIES.

Pine Grove cemetery	\$22,500.00	
Merrill Yard	100.00	
Valley cemetery	6,000.00	
Amoskeag cemetery	300.00	
		<hr/> \$28,900.00

POLICE DEPARTMENT.

Police station	\$4,000.00	
Police commission	98,000.00	
Police court	3,500.00	
		<hr/> \$105,500.00

SCHOOL DEPARTMENT.

Books and stationery	\$50.00	
Care of rooms.....	15,000.00	
Care of school clocks.....	300.00	
Contingent expenses	7,000.00	
Evening schools (common)	2,500.00	
Evening schools, drawing.....	200.00	
Free text-books	12,000.00	
Fuel	13,000.00	
Furniture and supplies.....	1,500.00	
Manual training.....	700.00	
School officials' salaries.....	7,850.00	
Repair of school furniture.....	500.00	
Printing and advertising.....	500.00	
Domestic science equipment, high school....	1,000.00	
Portable schoolhouse	1,600.00	
Teachers' salaries	190,000.00	
		<hr/> \$253,700.00

DEPARTMENT OF PUBLIC WORKS.

Board of public works.....	\$18,500.00
Repairs of highways	65,000.00
New highways	12,500.00
Paving streets	12,500.00
Bridges	8,000.00
Watering streets	7,000.00

Oiling streets	\$10,000.00	
City teams	22,000.00	
Cleaning streets	18,000.00	
Scavenger service	50,000.00	
Street sweeping	18,000.00	
Flushing streets	3,000.00	
Repairs of sewers	5,000.00	
Care of commons	7,500.00	
Stark park	2,000.00	
Derryfield park	2,000.00	
Lafayette park	1,500.00	
Prout park	400.00	
West Side park	500.00	
East Side park	100.00	
Rock Rimmon park	2,000.00	
Miscellaneous playgrounds	3,000.00	
Winter playgrounds	1,000.00	
Brown-tail moth	4,000.00	
Gypsy moth	1,000.00	
Elm leaf beetle	2,000.00	
Spraying trees	1,000.00	
Cutting and trimming trees.....	2,000.00	
Repairs of sidewalks.....	5,000.00	
		<hr/>
		\$284,500.00

FIRE DEPARTMENT.

Fire department	\$144,800.00	
Fire-alarm telegraph	10,475.00	
		<hr/>
		\$155,275.00

HEALTH DEPARTMENT.

Salaries and expense	\$22,000.00
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OVERSEER OF THE POOR.

Paupers off farm	\$20,000.00	
Indigent soldiers	400.00	
Salaries and expenses.....	2,600.00	
		<hr/>
		\$23,000.00

DEPARTMENT OF PUBLIC BUILDINGS.

Salaries and expenses.....	\$5,735.00	
Repairs on public buildings.....	25,000.00	
Maintenance of school yards and sidewalks.....	2,000.00	
		<hr/>
		\$32,735.00

LIGHTING STREETS.

Lighting streets	\$57,335.00
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SETTING TREES.

Setting trees	\$300.00
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February 8, 1916. Passed.

Resolution Relating to the Final Transfers for the Year 1916.

Resolved by the Board of Aldermen of the City of Manchester, as follows:

That the city clerk be and hereby is authorized to make the following transfers:

To account of unappropriated money:

From interest	\$408.51
Printing and stationery.....	1,349.73
Incidental expenses	354.68
City officers' salaries.....	624.69
Assessors' department	22.46
Building department	49.83
Lighting streets	908.89
City library	276.61
Fire-alarm telegraph	759.09
Police commission	1,294.75
Police court	200.00
Subway comfort	209.67
Repairs of public buildings.....	395.78
Care of city clocks	21.00
Massabesic hose house	14.29
Setting trees	190.00
Valley cemetery	87.70
Amoskeag cemetery	71.00
Books and stationery	27.94
School officials' salaries	221.52
Care of school clocks	50.00
Repair of school furniture.....	68.78
Free text-books.....	447.61
Manual training	33.76
Evening schools	169.23
Evening school, mechanical drawing...	40.00
Additions to Chandler, Wilson and Maynard schools	4,085.70

Domestic. science. equipment, high school	\$7.22	
Paupers off farm	52.24	
Indigent soldiers	2.00	
Land sold for taxes	948.01	
Board of examiners of plumbers.....	.47	
Decoration of soldiers' graves.....	4.40	
Board of public works.....	2,758.68	
Macadamizing and new highways....	21,383.41	
Street sweeping	3,420.45	
Elm-street bridge.....	18,928.15	
Commons	2,974.74	
Stark park	733.08	
Derryfield park	586.40	
Prout park	104.66	
Lafayette park	1,103.68	
Brown-tail moth	318.97	
West Side park	490.92	
Flushing streets	1,094.38	
Winter playgrounds	1,000.00	
Spraying trees	1,000.00	
Free cash in treasury	14,173.09	
		<hr/>
		\$83,468.17
From account of unappropriated money:		
To City hall	\$80.58	
Health department	1,104.77	
Fire department	207.32	
Police station	13.59	
Printing and advertising.....	199.56	
Fuel	344.16	
Contingent expenses	1,477.36	
Furniture and supplies	17.14	
Care of rooms	1,397.43	
Teachers' salaries	606.96	
Snow and ice and cleaning streets.....	11,149.16	
Repairs of highways	21,274.10	
Watering streets	2,030.03	
Paving streets	6,922.74	
Bridges	5,439.26	
Scavenger service	5,487.46	
City teams	5,657.91	
Repairs of sewers.....	6,927.57	
New sewers	4,219.53	
Repairs of sidewalks	64.59	
Miscellaneous playgrounds	50.61	
Cutting and trimming trees.....	783.76	
Elm leaf beetle	2,811.10	
Gypsy moth	558.75	
Oiling streets	4,242.38	
East Side park	400.35	
		<hr/>
		\$83,468.17

Assessors' Oath.

We, the assessors of the city of Manchester, do solemnly swear that in making the invoice for the purpose of assessing the foregoing taxes we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1916 was as follows:

	Valuation.	Rate.	Tax.
Real estate	\$64,213,561	\$1.56	\$1,001,731.55
Personal property	10,343,721	1.56	161,362.05
	<hr/>		
	\$74,557,282		\$1,163,093.60
Fractional loss .....			.09
			<hr/>
			\$1,163,093.51
Poll tax			41,302.00
School tax			498.25
Brown-tail moth tax			1,721.05
Property exempt from city tax only			10,994.26
			<hr/>
Total tax levied			\$1,217,609.07

The share distributed to Manchester of the amount of tax assessed as per returns made by the corporations to state treasurer:

On railroads	50,581.97
On savings banks	107,603.97
On insurance companies	5,058.75
On literary fund	5,242.62
	<hr/>
Grand tax total	\$1,386,096.38

For further information in relation to taxes collected by the state see state treasurer's report.

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

Resident and Nonresident.	Polls.		Real estate, value.	Stock in trade.	Money on hand, at in- terest or on deposit, value.	Horses, asses and mules over 18 months old.		Auto- mobiles and Carriages, value.	Cows, oxen and other neat stock over 18 months old.	
	No.	Value.				No.	Value.		No.	Value.
1894.....	12,103	\$1,210,300	\$16,956,070.00	\$2,421,964.00	\$519,500.00	2,608	\$200,376.00	\$57,526.00	452	\$9,618.00
1895.....	12,244	1,224,400	17,688,224.00	2,435,546.00	149,592.00	2,639	186,264.00	59,128.00	431	9,710.00
1896.....	12,583	1,258,300	18,358,266.00	2,421,862.00	147,148.00	2,644	184,790.00	57,440.00	410	9,308.00
1897.....	12,921	1,292,100	18,763,182.00	2,772,460.00	113,288.00	2,617	174,746.00	57,810.00	507	10,920.00
1898.....	12,808	1,280,800	19,175,434.00	2,782,386.00	167,160.00	2,640	171,242.00	56,668.00	551	12,400.00
899.....	13,137	1,313,700	19,301,762.00	3,939,419.00	176,388.00	2,648	169,977.00	58,129.00	619	14,650.00
1900.....	13,759	1,375,900	19,569,249.00	3,509,072.00	1,293,585.00	2,755	174,593.00	88,500.00	704	16,690.00
1901.....	13,976	1,397,600	19,622,261.00	3,888,517.00	394,436.00	2,669	174,242.00	99,976.00	719	14,076.00
1902.....	14,079	1,407,900	19,983,327.00	3,536,583.00	1,173,222.00	2,621	180,157.00	120,369.00	519	13,414.00
1903.....	14,384	1,438,400	20,137,200.00	3,303,445.00	1,210,597.00	2,577	179,065.00	129,404.00	554	16,039.00
1904.....	14,451	1,445,100	20,465,749.00	3,400,749.00	1,258,931.00	2,483	177,580.00	126,762.00	586	15,564.00
1905.....	14,650	1,465,000	20,966,778.00	3,858,680.00	1,125,553.00	2,384	186,597.00	150,365.00	696	20,989.00
1906.....	15,481	1,548,100	22,133,160.00	4,800,392.00	195,024.00	2,288	189,238.00	159,026.00	698	19,736.00
1907.....	15,800	1,580,000	23,401,086.00	4,940,178.00	162,330.00	2,406	207,395.00	170,351.00	695	19,978.00
1908.....	16,266	1,626,600	24,034,758.00	4,714,079.00	374,506.00	2,262	201,191.00	187,240.00	721	20,310.00
1909.....	16,093	1,609,300	24,347,963.00	4,968,343.00	119,972.00	2,220	200,821.00	221,902.00	681	19,503.00
1910.....	17,261	1,726,100	25,247,605.00	5,345,478.00	260,692.00	2,545	210,434.00	281,507.00	687	18,515.00
1911.....	20,092	2,009,200	25,910,972.00	5,384,344.00	279,554.00	2,171	210,622.00	310,037.00	631	20,031.00
1912.....	18,942	1,894,200	41,754,957.00	7,789,814.00	555,830.00	2,305	319,590.00	422,059.00	735	27,242.00
1913.....	19,374	1,937,400	43,592,143.00	7,905,599.00	365,996.00	2,211	337,582.00	502,153.00	659	26,467.00
1914.....	20,246	.....	45,357,069.00	7,923,250.00	297,571.00	2,182	335,030.00	569,058.00	639	27,825.00
1915.....	21,153	.....	47,974,084.00	8,026,479.00	633,844.00	2,119	324,260.00	636,980.00	598	26,937.00
1916.....	20,651	.....	49,387,973.00	8,192,055.00	618,654.00	2,018	320,215.00	701,728.00	615	31,260.00

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

Hogs.	Sheep over six months old.		Boats.	Fowls.		Stock in banks and other corporations, value.	Stock in public funds and bonds, value.	Factories and their machinery, value.	Total value.	Rate of tax per hundred.	Tax levied.
	No.	Value.		Value.	Value.						
73	\$820.00	40	\$80.00	.....	.....	\$230,000.00	\$22,100.00	\$6,763,050.00	\$28,391,710.00	\$1.78	\$505,372.44
52	524.00	29	62.00	.....	.....	263,166.00	1,400.00	6,774,950.00	28,861,122.00	1.74	502,183.02
26	260.00	43	90.00	.....	.....	249,104.00	2,000.00	6,755,100.00	29,443,668.00	1.86	547,651.50
45	470.00	33	56.00	.....	.....	233,264.00	.....	7,068,650.00	30,486,946.00	2.08	634,127.80
69	490.00	43	64.00	.....	.....	250,934.00	.....	7,090,300.00	30,988,486.00	1.95	604,280.37
45	418.00	11	24.00	.....	.....	222,460.00	.....	6,294,181.00	31,491,784.00	1.95	614,096.93
35	354.00	7	14.00	.....	.....	213,344.00	.....	6,464,589.00	32,706,794.00	1.90	621,428.47
12	92.00	6	18.00	.....	.....	223,780.00	.....	6,924,919.00	33,041,112.00	1.98	654,214.00
.....	.....	8	24.00	.....	.....	227,982.00	.....	6,399,956.00	33,044,334.00	2.25	743,497.53
7	100.00	..	.....	.....	.....	210,272.00	.....	6,194,496.00	32,819,850.00	2.10	689,217.79
2	20.00	..	220.00	.....	.....	185,950.00	.....	6,102,524.00	33,179,294.00	1.95	647,003.29
27	190.00	5	16.00	.....	.....	237,220.00	.....	6,103,731.00	34,176,466.00	2.08	710,870.13
18	224.00	..	.....	.....	.....	239,002.00	.....	6,128,294.00	35,413,510.00	1.91	676,402.89
23	272.00	..	.....	.....	.....	233,746.00	.....	6,247,487.00	36,968,394.00	1.85	683,915.28
22	274.00	..	.....	.....	.....	250,818.00	.....	6,333,222.00	37,746,708.00	1.86	702,088.28
18	195.00	..	.....	.....	\$700.00	258,348.00	34,900.00	6,350,795.00	38,102,944.00	2.05	781,118.54
54	770.00	..	.....	.....	.....	256,153.00	57,730.00	6,475,896.00	39,881,852.00	2.01	801,628.21
71	1,058.00	..	.....	.....	.....	282,832.00	592,708.00	6,498,876.00	41,451,846.00	2.04	845,616.91
168	1,493.00	14	54.00	.....	.....	154,595.00	501,362.00	13,588,433.00	67,012,487.00	1.50	1,005,191.73
169	1,806.00	4	20.00	.....	.....	148,355.00	817,553.00	13,571,718.00	69,208,300.00	1.52	1,051,966.07
219	3,666.00	3	15.00	.....	.....	178,684.00	535,748.00	13,568,468.00	68,798,074.00	1.57	1,080,135.11
200	2,790.00	11	35.00	.....	.....	142,522.00	369,053.00	13,735,124.00	71,875,128.00	1.58	1,135,628.77
236	3,633.00	5	10.00	.....	.....	197,931.00	274,876.00	14,825,588.00	74,557,282.00	1.56	1,163,093.51

TAX VALUATIONS, ETC., FROM 1890 TO 1916 INCLUSIVE.

Year.	Valuation.	Taxes.	No. Polls.	Tax Rate.
1890.....	\$24,207,740	\$462,809.17	9,723	\$1.91
1891.....	24,872,492	443,541.76	10,367	1.78
1892.....	25,932,044	506,465.17	10,673	1.95
1893.....	27,439,742	507,640.68	11,835	1.85
1894.....	29,391,710	505,372.44	12,103	1.78
1895.....	28,861,122	502,183.02	12,244	1.74
1896.....	29,443,668	547,651.50	12,583	1.86
1897.....	30,486,946	634,127.80	12,921	2.08
1898.....	30,988,488	604,280.57	12,808	1.95
1899.....	31,491,784	614,096.93	13,137	1.95
1900.....	32,706,794	621,428.47	13,759	1.90
1901.....	33,041,112	654,214.00	13,976	1.98
1902.....	33,034,334	743,497.53	14,079	2.25
1903.....	32,819,850	689,217.79	14,384	2.10
1904.....	33,179,294	647,003.29	14,451	1.95
1905.....	34,176,466	710,870.13	14,650	2.08
1906.....	35,413,510	676,402.89	15,481	1.91
1907.....	36,968,394	683,915.28	15,800	1.85
1908.....	37,746,708	702,088.28	16,266	1.86
1909.....	38,102,944	781,118.54	16,093	2.05
1910.....	39,881,852	801,628.21	17,261	2.01
1911.....	41,451,846	845,616.91	20,092	2.04
1912.....	67,012,487	1,005,191.73	18,942	1.50
1913.....	69,208,300	1,051,966.07	19,374	1.52
1914.....	68,798,074	1,080,135.11	20,246	1.57
1915.....	71,875,128	1,135,628.77	21,153	1.58
1916.....	74,557,282	1,163,093.51	20,651	1.56

TABLE OF TAXES DUE AND UNCOLLECTED.

Year.	Due June 1, 1915.	Discounts and Abatements.	Collected	Due June 1, 1916.
Taxes of 1885.....	\$1,205.71	.....	.....	\$1,205.71
“ of 1886.....	1,264.85	.....	.....	1,264.85
“ of 1887.....	1,163.94	.....	.....	1,163.94
“ of 1888.....	1,580.13	.....	.....	1,580.13
“ of 1889.....	1,395.13	.....	.....	1,395.13
“ of 1890.....	1,687.08	.....	.....	1,687.08
“ of 1891.....	1,966.63	.....	.....	1,966.63
“ of 1892.....	2,582.12	.....	.....	2,582.12
“ of 1893.....	4,095.13	.....	.....	4,095.13
“ of 1894.....	3,514.05	.....	.....	3,514.05
“ of 1895.....	5,004.92	.....	.....	5,004.92
“ of 1896.....	4,992.00	.....	.....	4,992.00
“ of 1897.....	5,296.91	.....	.....	5,296.91
“ of 1898.....	5,629.21	.....	.....	5,629.21
“ of 1899.....	5,675.09	.....	.....	5,675.09
“ of 1900.....	5,150.11	.....	.....	5,150.11
“ of 1901.....	6,068.01	.....	.....	6,068.01
“ of 1902.....	6,501.97	.....	.....	6,501.97
“ of 1903.....	7,154.47	.....	.....	7,154.47
“ of 1904.....	6,636.38	.....	.....	6,636.38
“ of 1905.....	8,203.01	.....	.....	8,203.01
“ of 1906.....	8,457.99	.....	.....	8,457.99
“ of 1907.....	7,528.56	.....	.....	7,528.56
“ of 1908.....	7,877.32	.....	\$1.86	7,875.46
“ of 1909.....	6,995.93	.....	.....	6,995.93
“ of 1910.....	8,148.68	.....	.....	8,148.68
“ of 1911.....	10,088.26	.....	4.08	10,084.18
“ of 1912.....	6,792.16	.....	4.50	6,787.66
“ of 1913.....	5,314.70	\$54.72	116.42	5,143.56
“ of 1914.....	9,250.30	452.28	1,247.77	7,550.25

**Statement of Account of Victor W. Roy, Tax Collector for the City
of Manchester, June 1, 1916.**

	Amount Outstanding.	Collected.	Abated.	Balance Outstanding.
Tax list, 1905	\$8,203.01	.....	.....	\$8,203.01
1906	8,457.99	.....	.....	8,457.99
1907	7,528.56	.....	.....	7,528.56
1908	7,877.32	\$1.86	.....	7,875.46
1909	6,995.93	.....	.....	6,995.93
1910	8,148.68	.....	.....	8,148.68
1911	10,088.26	4.08	.....	10,084.18
1912	6,792.16	4.50	.....	6,787.66
1913	5,314.70	116.42	\$54.72	5,143.56
1914	9,250.30	1,247.77	452.28	7,550.25
<hr/>				
Amount collected		\$1,374.63		
Old taxes collected			\$1,374.63	
Costs on old taxes collected.....			128.60	
Interest on old taxes collected.....			136.89	
<hr/>				\$1,640.12
Credit by cash paid treasurer.....				\$1,640.12
Interest on bank deposits				\$1,021.87
Credit by cash paid treasurer.....				\$1,021.87
Costs on taxes collected, 1915 list.....			\$2,239.20	
Balance carried to new account.....			122.40	
<hr/>				\$2,361.60
Credit by cash paid treasurer.....				\$2,361.60
Interest on taxes collected, 1915 list.....			\$2,393.40	
Balance carried to new account.....			43.60	
<hr/>				\$2,437.00
Credit by cash paid treasrer.....				\$2,437.00
1915.		Dr.		
June 1. To warrant property list.....	\$1,135,628.77			
voluntary list	1,601.51			
warrant school tax	502.25			
moth tax	1,951.17			
state and county tax on ex- empted property	11,143.97			
single polls	42,306.00			
balance to new account	553.14			
<hr/>				\$1,193,686.81

1915, 1916.

CR.

By cash paid treasurer.....	\$1,179,226.80	
abatements on assessors' war-		
rant, 1915, 1916	5,700.08	
unpaid property taxes	369.93	
unpaid poll taxes	8,390.00	
		<hr/> \$1,193,686.81

MANCHESTER, N. H., July 20, 1916.

I hereby certify that I have examined the account of Victor W. Roy, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE,

City Auditor.

Schedule of Property Used for Religious, Charitable and Educational Purposes, and Exempt from Taxation by Law, not including that Owned by the City of Manchester.

PROPERTY OWNED BY CATHOLIC PARISHES, CHURCHES, SCHOOLS AND PARSONAGES.

St. Augustine's parish church; Spruce street, corner of Beech street:		
Building	\$80,000.00	
26,000 square feet of land.....	7,800.00	
		<hr/> \$87,800.00
St. Augustine's Catholic school; Spruce street, corner of Beech street:		
Building	\$8,000.00	
15,000 square feet of land.....	4,500.00	
		<hr/> \$12,500.00
St. Augustine's Orphanage; 251 Lake avenue:		
Building	\$15,000.00	
10,000 square feet of land.....	3,000.00	
		<hr/> \$18,000.00
St. Augustine's Convent; Cedar street, corner Beech:		
Building	\$35,000.00	
10,000 square feet of land.....	2,000.00	
		<hr/> \$37,000.00
St. Augustine's Convent Sisters Jesus and Mary; Spruce street:		
Building	\$8,000.00	
13,000 square feet of land.....	3,220.00	
		<hr/> \$11,220.00

St. Augustine's parsonage; 205 Spruce street:		
Building	\$7,375.00	
7,500 square feet of land.....	2,625.00	
		<hr/> \$10,000.00
St. Marie's parish church; Notre Dame, corner Wayne street:		
Building	\$148,750.00	
72,500 square feet of land.....	36,250.00	
		<hr/> \$185,000.00
St. Marie's school; Cartier street:		
Building	\$46,750.00	
20,000 square feet of land.....	6,250.00	
		<hr/> \$53,000.00
St. Marie's Convent of Holy Angels; Notre Dame avenue and Wayne street:		
Building	\$22,000.00	
22,500 square feet of land.....	11,250.00	
		<hr/> \$33,250.00
St. Marie's parsonage; 378 Notre Dame:		
Building	\$27,000.00	
10,000 square feet of land.....	5,000.00	
		<hr/> \$32,000.00
St. Marie's Parish, Brothers' House, 279 Cartier street:		
Building	\$3,850.00	
5,000 square feet of land.....	1,150.00	
		<hr/> \$5,000.00
St. George's parish church; Pine street, corner of Orange street:		
Building	\$75,000.00	
18,690 square feet of land.....	7,164.00	
		<hr/> \$82,164.00
St. George's school; Pine street, corner of Orange street:		
Building	\$40,000.00	
10,000 square feet of land.....	4,000.00	
		<hr/> \$44,000.00
St. George's, St. Isidore Convent; Orange street:		
Building	\$40,000.00	
10,000 square feet of land.....	4,000.00	
		<hr/> \$44,000.00
St. George's parsonage; 517 Pine street:		
Building	\$4,635.00	
5,930 square feet of land.....	2,865.00	
		<hr/> \$7,500.00

St. Joseph's parish church, Lowell street, corner Pine street:		
Building	\$120,000.00	
46,050 square feet of land.....	46,050.00	
		\$166,050.00
St. Joseph's Girls' school; Pine street:		
Building, on church lot.....	\$14,000.00	
		\$14,000.00
St. Joseph's Holy Rosary school; 30 Cedar street:		
Building	\$9,000.00	
2,500 square feet of land.....	1,875.00	
		\$10,875.00
St. Joseph's library; Union street:		
Building	\$5,000.00	
4,900 square feet of land.....	2,450.00	
		\$7,450.00
St. Joseph's high school; Lowell street, corner Birch street:		
Building	\$13,000.00	
8,000 square feet of land.....	12,000.00	
		\$25,000.00
St. Patrick's Orphanage; Hanover street:		
Buildings	\$47,000.00	
40,500 square feet of land.....	40,500.00	
		\$87,500.00
Infants' Home, Concord street:		
51,433 square feet of land	\$12,860.00	
Buildings	\$37,140.00	
		\$50,000.00
St. Joseph's school; 121 Cedar street:		
Building	\$10,000.00	
5,000 square feet of land.....	1,500.00	
		\$11,500.00
Sacred Heart Hospital; Amherst street:		
Building	\$20,000.00	
40,500 square feet of land.....	30,375.00	
		\$50,375.00
Sacred Heart Hospital, Nurses' Home; 192 Amherst street:		
Building	\$3,000.00	
15,000 square feet of land.....	5,250.00	
		\$8,250.00
St. Joseph's parsonage; 145-147 Lowell street:		
Buildings	\$18,975.00	
18,050 square feet of land.....	9,025.00	
		\$28,000.00

St. Joseph's Brothers' House, 462 Pine street:		
Buildings	\$1,212.00	
16,775 square feet of land.....	8,388.00	
		\$9,600.00
Sacred Heart parish church; South Main street:		
Building and lot	\$30,000.00	
		\$30,000.00
St. Edmond parish church; Pinard street:		
Building	\$8,000.00	
43,905 square feet of land.....	1,200.00	
		\$9,200.00
St. Edmond parish, Sisters' House, Henriette street:		
Building	\$1,815.00	
4,687 square feet of land.....	185.00	
		\$2,000.00
Sacred Heart parish parsonage; 247 South Main street:		
Building	\$4,537.00	
19,815 square feet of land.....	3,963.00	
		\$8,500.00
Sacred Heart parish, Sisters' House, 223 South Main street:		
Building on church lot	\$5,000.00	
		\$5,000.00
Our Lady of Perpetual Help, church and parsonage; Hayward street:		
Building	\$19,308.00	
56,915 square feet of land.....	5,692.00	
		\$25,000.00
Monastery of the Precious Blood; 555 Union street:		
Building	\$21,125.00	
7,750 square feet of land.....	3,875.00	
		\$25,000.00
St. Patrick's Parish church and school; Coolidge avenue:		
Building	\$68,000.00	
56,281 square feet of land.....	22,550.00	
		\$90,550.00
St. Patrick's parish parsonage; 138 Coolidge avenue:		
Building on church lot	\$5,000.00	
		\$5,000.00

St. Francis parish church; South Elm street:		
Building	\$3,360.00	
18,972 square feet of land.....	4,740.00	
		\$8,100.00
St. Francis parish parsonage; 14 Elm street:		
Building	\$5,132.00	
73,905 square feet of land.....	9,868.00	
		\$15,000.00
St. Anne's parish church; Merrimack, corner Union street:		
Building	\$50,000.00	
20,520 square feet of land.....	6,000.00	
		\$56,000.00
St. Anne's parish school; Cedar and Union streets:		
Building	\$35,000.00	
15,000 square feet of land.....	3,000.00	
		\$38,000.00
St. Anne's McDonald school; Laurel and Union streets:		
Building	\$40,000.00	
15,300 square feet of land.....	3,240.00	
		\$43,240.00
St. Anne's parsonage; 231 Merrimack street:		
Building	\$2,960.00	
10,080 square feet of land.....	5,040.00	
		\$8,000.00
St. Anne's Brothers' House, 251 Merrimack street:		
Building	\$3,500.00	
9,000 square feet of land.....	4,500.00	
		\$8,000.00
St. Antoine de Padoue parish church; Belmont street:		
Building	\$10,000.00	
55,700 square feet of land.....	8,350.00	
		\$18,350.00
St. Antoine de Padoue parsonage; 172 Belmont street:		
Building	\$1,430.00	
50,586 square feet of land	6,070.00	
		\$7,500.00
St. Antoine de Padoue school; Hall street:		
Building	\$8,714.00	
10,717 square feet of land.....	1,286.00	
		\$10,000.00

St. Antoine de Padoue school; Hall and Silver streets:			
Building	\$4,440.00		
5,606 square feet of land.....	560.00		
			\$5,000.00
Order of St. Benedict, St. Raphael's church; Third street:			
Building	\$35,000.00		
59,239 square feet of land.....	14,800.00		
			\$49,800.00
Order of St. Benedict parsonage; Ferry street:			
Building	\$6,500.00		
4,025 square feet of land.....	1,000.00		
			\$7,500.00
Order of St. Benedict school; Ferry and Fourth streets:			
Building	\$1,556.00		
13,775 square feet of land.....	3,444.00		
			\$5,000.00
St. Hedwidge parish church; Merrimack and Pine streets:			
Building	\$30,000.00		
9,000 square feet of land.....	3,600.00		
			\$33,600.00
St. Hedwidge parish school; Merrimack and Union streets:			
Building	\$43,000.00		
8,820 square feet of land.....	3,525.00		
			\$46,525.00
St. Hedwidge's parish parsonage; Pine street:			
Building on church lot	\$5,000.00		
			\$5,000.00
St. Hedwidge's Sisters' House, 166-168 Merrimack street:			
Building	\$3,350.00		
6,300 square feet of land.....	3,150.00		
			\$6,500.00
Ruthenian Catholic church and parsonage; Lowell and Walnut streets:			
Buildings	\$12,300.00		
9,400 square feet of land.....	4,700.00		
			\$17,000.00
L'Hospital Notre Dame; Notre Dame avenue:			
Building	\$54,625.00		
60,500 square feet of land.....	45,375.00		
			\$100,000.00

Orphanage school; Notre Dame avenue:		
Building	\$17,500.00	
30,000 square feet of land.....	22,500.00	
		\$40,000.00
Notre Dame, l'Orphelinat St. Pierre; 55		
Alsace street:		
Building	\$42,500.00	
95,977 square feet of land.....	12,500.00	
		\$55,000.00
Hospital Notre Dame; Kelley street:		
Land, 94,660 square feet	\$11,360.00	
		\$11,360.00
Sisters of Mercy Convent; 435 Union street:		
Building	\$30,000.00	
12,600 square feet of land.....	3,760.00	
		\$33,760.00
Sisters of Mercy, Mount St. Mary's Academy;		
Laurel street:		
Building	\$5,000.00	
31,500 square feet of land.....	9,450.00	
		\$34,450.00
Sisters of Mercy; 151 Ray street:		
Building	\$4,425.00	
26,250 square feet of land.....	2,835.00	
		\$7,260.00
Sacred Heart Hospital; Amherst street:		
40,500 square feet land.....	\$30,375.00	
Buildings	20,000.00	
		\$50,375.00
Sacred Heart Nurses' Home; 192 Amherst		
street:		
15,000 square feet of land.....	\$5,250.00	
Buildings	3,000.00	
		\$8,250.00
St. George's Greek Church, school; 247 Pine		
street:		
3,750 square feet of land.....	\$2,813.00	
Buildings	1,687.00	
		\$4,500.00
Holy Cross Polish Catholic Church, A. school;		
Pearl street:		
14,382 square feet of land.....	\$5,033.00	
Buildings	47,467.00	
		\$52,500.00
Russian Orthodox Catholic Church; Beech and		
Green streets:		
7,000 square feet of land.....	\$1,050.00	
Building	9,950.00	
		\$11,000.00

St. Jean the Baptist, church and school; Kelley street:		
15,000 square feet of land.....	\$3,000.00	
Building	57,000.00	
		<hr/> \$60,000.00
St. Jean the Baptist, parsonage; 106 Alsace street:		
5,000 square feet of land.....	\$400.00	
Buildings	2,400.00	
		<hr/> \$2,800.00
Roman Catholic Bishop; 235 Hanover street:		
7,500 square feet land.....	\$6,000.00	
Buildings	34,000.00	
		<hr/> \$40,000.00
Sisters of Mercy, 1004 Union street:		
Building	\$2,392.00	
10,721 square feet of land.....	1,608.00	
		<hr/> \$4,000.00
Sisters of Mercy, House of St. Martha; 131 Laurel street:		
Buildings	\$9,600.00	
10,800 square feet of land.....	5,400.00	
		<hr/> \$15,000.00
Sisters of Mercy, St. Martha's Home; Laurel and Union streets:		
Building	\$4,250.00	
4,500 square feet of land.....	1,350.00	
		<hr/> \$5,600.00
Evangelism Greek Church; Pine street:		
Building	\$15,000.00	
5,000 square feet of land.....	3,750.00	
		<hr/> \$18,750.00
Greek church; Pine street below Valley street:		
Building	\$10,000.00	
10,000 square feet of land.....	1,800.00	
		<hr/> \$11,800.00
CATHOLIC CEMETERIES.		
St. Augustine's; South Beech street.....	\$12,420.00	
Mount Calvary; Goffstown road.....	15,193.00	
St. Joseph's; Donald street.....	60,710.00	
		<hr/> \$88,323.00
		<hr/> \$2,365,127.00

PROTESTANT CHURCHES.

First Baptist church; Union street, corner Concord:		
Building	\$28,000.00	
18,500 square feet of land.....	9,250.00	
		\$37,250.00
First Freewill Baptist church; Merrimack street, corner Chestnut:		
Building	\$3,100.00	
12,600 square feet of land.....	18,900.00	
		\$22,000.00
People's Baptist church; Chestnut street, corner Concord:		
Building	\$8,000.00	
4,000 square feet of land.....	8,000.00	
		\$16,000.00
First Congregational Church; Hanover street, corner Union:		
Building	\$35,000.00	
42,560 square feet of land.....	34,048.00	
		\$69,048.00
Second Congregational church; Market street, corner Franklin:		
Building	\$32,000.00	
10,000 square feet of land.....	25,000.00	
		\$57,000.00
Third Congregational church; South Main street, corner Milford, West Manchester:		
Building (burned) .....	.....
20,465 square feet of land.....	\$4,093.00	
		\$4,093.00
South Main Street parsonage; 114 Carroll street:		
Buildings	\$2,500.00	
5,000 square feet of land.....	500.00	
		\$3,000.00
First M. E. church; Valley street, corner Jewett:		
Building	\$8,000.00	
11,400 square feet of land.....	1,368.00	
		\$9,368.00
St. Paul's M. E. church and parsonage; Union street, corner Amherst:		
Building	\$27,500.00	
13,500 square feet of land.....	6,750.00	
		\$34,250.00

Trinity M. E. church; School street:		
Building	\$3,500.00	
8,604 square feet of land.....	2,580.00	
		<hr/> \$6,080.00
St. James M. E. church; Pennacook street, corner Pine:		
Building	\$10,000.00	
17,160 square feet of land.....	3,430.00	
		<hr/> \$13,430.00
Grace church, Episcopal; Lowell street, cor- ner Pine:		
Building	\$42,075.00	
15,850 square feet of land.....	7,925.00	
		<hr/> \$50,000.00
First Unitarian church; Concord street, cor- ner Beech:		
Building	\$25,000.00	
13,500 square feet of land.....	5,400.00	
		<hr/> \$30,400.00
Christian church; Hall street, corner Merri- mack:		
Building	\$9,000.00	
9,975 square feet of land.....	1,195.00	
		<hr/> \$10,195.00
First Presbyterian church, German; Second street, corner Bath, West Manchester:		
Building	\$3,000.00	
10,000 square feet of land.....	2,500.00	
		<hr/> \$5,500.00
Swedish Lutheran church; Sagamore; corner Pine:		
Building	\$8,000.00	
11,000 square feet of land	2,200.00	
		<hr/> \$10,200.00
Swedish Lutheran church parsonage; Saga- more street:		
Building	\$2,950.00	
10,200 square feet of land.....	2,550.00	
		<hr/> \$5,500.00
Swedish Evangelical Mission; Pine street, corner Orange:		
Building	\$6,500.00	
5,600 square feet of land.....	2,240.00	
		<hr/> \$8,740.00

Swedish Baptist church; Arlington street,
near Maple:

Building	\$5,000.00	
4,822 square feet of land.....	964.00	
		<hr/> \$5,964.00

Second Advent church; Amherst street, be-
tween Pine and Union:

Building	\$5,500.00	
4,500 square feet of land.....	1,575.00	
		<hr/> \$7,075.00

City Mission chapel; Merrimack street, corner
Beech:

Building	\$7,000.00	
12,000 square feet of land.....	3,780.00	
		<hr/> \$10,780.00

Westminster Presbyterian church; Brook
street, corner Hazel:

Building	\$15,000.00	
10,000 square feet of land.....	2,500.00	
		<hr/> \$17,500.00

South Manchester Union chapel; Elm street,
south:

Building	\$2,500.00	
10,747 square feet of land.....	1,500.00	
		<hr/> \$4,000.00

First Church of Christ, Scientist; Harrison
street, corner Albert:

Building	\$14,500.00	
17,000 square feet of land.....	8,500.00	
		<hr/> \$23,000.00

St. Andrew's Protestant Episcopal church
and parsonage, North Main street, cor-
ner Conant, West Manchester:

Building	\$16,000.00	
19,412 square feet of land.....	4,850.00	
		<hr/> \$20,850.00

Congregation Adath Yashuran church; Cen-
tral, near Maple:

Building	\$18,950.00	
7,000 square feet of land.....	1,050.00	
		<hr/> \$20,000.00

First German church; Conant street:

Building	\$5,000.00	
9,650 square feet of land.....	2,400.00	
		<hr/> \$7,400.00

Pentecostal church; Manchester street:		
Building	\$2,030.00	
3,246 square feet of land.....	970.00	
		<hr/> \$3,000.00
St. Jean's Methodist church; 100 Concord street:		
2,500 square feet of land.....	\$2,500.00	
Buildings	1,500.00	
		<hr/> \$4,000.00
St. Jean's Methodist parsonage; 9 Arlington street:		
Building	\$3,309.00	
2,764 square feet of land.....	691.00	
		<hr/> \$4,000.00
Residence rector Grace Episcopal church; corner of Harrison and Union streets:		
Building	\$1,800.00	
19,000 square feet of land.....	5,700.00	
		<hr/> \$7,500.00
German School society; Third, Bath, and Ferry streets:		
Building	\$5,000.00	
10,190 square feet of land.....	2,500.00	
		<hr/> \$7,500.00
Swedish Evangelical Lutheran church; Beech avenue:		
Building	\$2,000.00	
5,500 square feet of land.....	275.00	
		<hr/> \$2,275.00
German church; Conant and Green streets:		
Building	\$3,500.00	
5,000 square feet of land.....	750.00	
		<hr/> \$4,250.00
First Universalist church, Myrtle street:		
Building	\$16,250.00	
11,000 square feet of land.....	5,750.00	
		<hr/> \$22,000.00
Congregation Ahshay, Aford; Central street:		
Building	\$10,000.00	
5,000 square feet of land.....	1,750.00	
		<hr/> \$11,750.00
Elliot Hospital; East Manchester:		
Buildings	\$75,000.00	
1,170,476 square feet of land.....	90,498.00	
		<hr/> \$165,498.00

Women's Aid Home; Pearl street, corner Beech:		
Building	\$15,620.00	
57,530 square feet of land.....	14,380.00	
		\$30,000.00
Women's Aid Home; 510-514 Chestnut street:		
Buildings	\$7,963.00	
6,037 square feet of land.....	6,037.00	
		\$14,000.00
Manchester Children's Home; Webster street:		
Building	\$36,250.00	
55,000 square feet of land.....	13,750.00	
		\$50,000.00
Manchester Children's Home; 915 Elm street:		
1,271 square feet of land.....	\$25,420.00	
Buildings	1,080.00	
		\$26,500.00
Manchester Children's Home; $\frac{1}{2}$ of 266-274 Pearl street:		
Buildings	\$2,650.00	
9,406 square feet of land.....	2,350.00	
		\$5,000.00
Manchester Children's Home; $\frac{1}{2}$ of 193 Pearl street:		
7,191 square feet of land.....	\$2,588.00	
Buildings	162.00	
		\$2,750.00
Manchester Y. M. C. A.; Mechanic street:		
Buildings	126,718.00	
18,626 square feet of land.....	23,282.00	
		\$150,000.00
Manchester Institute of Arts and Sciences; Concord street:		
Buildings	\$185,000.00	
15,000 square feet of land.....	15,000.00	
		\$200,000.00
Gale Home; Ash street:		
Building	\$40,000.00	
57,530 square feet of land.....	11,500.00	
		\$51,500.00
Gale Home; $\frac{1}{2}$ of 1083 Elm street:		
2,500 square feet of land.....	\$27,500.00	
Buildings	16,500.00	
		\$44,000.00
Masonic Home; Beech street:		
Building	\$25,810.00	
56,762 square feet of land.....	14,190.00	
		\$40,000.00

Masonic Home; $\frac{1}{2}$ of 193 Pearl street:

7,191 square feet of land.....	\$2,588.00	
Buildings	162.00	
		<hr/> \$2,750.00

Masonic Home; $\frac{1}{2}$ of 266-274 Pearl street:

Buildings	\$2,650.00	
9,405 square feet of land.....	2,350.00	
		<hr/> \$5,000.00

Mercy Home; Mammoth road:

Building	\$2,500.00	
11.4 acres of land.....	4,500.00	
		<hr/> \$7,000.00

New Hampshire Settlement Association; 7-11

Walnut street:

Building	\$11,800.00	
8,000 square feet of land.....	3,200.00	
		<hr/> \$15,000.00

\$1,383,896.00

STATE PROPERTY.

State armory:

Building	\$46,000.00	
24,000 square feet of land.....	24,000.00	
		<hr/> \$70,000.00

State Industrial School:

Buildings	\$125,000.00	
156.81 acres	105,828.00	
		<hr/> \$230,828.00

\$300,828.00

COUNTY PROPERTY.

Hillsborough county court house:

Building	\$50,000.00	
19,200 square feet of land.....	48,000.00	
		<hr/> \$98,000.00

Hillsborough county jail:

Building	\$75,000.00	
147,000 square feet of land.....	29,400.00	
		<hr/> \$104,400.00

\$212,400.00

UNITED STATES PROPERTY.

United States postoffice:

Building	\$150,000.00	
30,322 square feet of land.....	37,900.00	
		<hr/> \$187,900.00

CEMETERIES.

Young road :		
23,809 square feet of land.....	\$475.00	
Mammoth road :		
43,560 square feet of land.....	870.00	
Bowman street :		
79,777 square feet of land.....	7,977.00	
Brown avenue :		
12,025 square feet of land.....	200.00	
Jewish ; South Beech street :		
1.3 acres land	\$560.00	
Building	200.00	
	<hr/>	
	760.00	
	<hr/>	
		\$10,282.00

EXEMPT FROM TAXATION.

Catholic churches, schools, hospitals, institutions and parochial residences	\$2,365,127.00
Protestant churches, schools, hospitals, institutions and parochial residences	1,394,178.00
United States, state, and county property	701,128.00
	<hr/>
Total	\$4,460,433.00

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

Date of issue.	Description.	No.	Denom-ination.	Amount.	Total.	Date when the principal is payable.	Interest.	
							Rate %	When payable.
Nov. 1, 1913	Water bonds	100	\$1,000	\$100,000	\$100,000	{ \$20,000 Nov. 1, 1917 and \$20,000 annually thereafter.	4	Semi-annual Second Nat. Bk., Boston, Mass.
Jan. 1, 1897	Water bonds	100	1,000	100,000	100,000	January 1, 1917	4	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1915 Refunded	Water bonds	100	1,000	100,000	100,000	{ \$20,000 annually from July 1, 1922	4	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1911 Refunded	Bridge bonds	35	1,000	35,000	35,000	{ \$5,000 annually from July 1, 1917, to 1923, inclusive.	4	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1913	Bridge bonds	85	1,000	85,000	85,000	{ \$5,000 July 1, 1917, and \$5,000 annually thereafter	4	Semi-annual Second Nat. Bk., Boston, Mass.
April 1, 1905	City bonds	50	1,000	50,000	50,000	April 1, 1925	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
April 1, 1907	City bonds	50	1,000	50,000	50,000	April 1, 1927	4	Semi-annual Second Nat. Bk., Boston, Mass.
April 1, 1909	City bonds	50	1,000	50,000	50,000	April 1, 1929	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
April 1, 1910	Improvement bonds	100	1,000	100,000	100,000	April 1, 1930	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1912	Improvement bonds	80	1,000	80,000	80,000	{ \$5,000 annually from July 1, 1917, to July 1, 1933, inclusive.	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1911	School bonds	78	1,000	78,000	78,000	{ \$5,000 July 1, 1917, and \$5,000 annually to 1930 inclusive, and \$8,000 July 1, 1931.	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
April 1, 1899	City bonds	100	1,000	100,000	100,000	April 1, 1919	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.
July 1, 1902	Municipal bonds	80	1,000	80,000	80,000	July 1, 1922	3 1/2	Semi-annual Second Nat. Bk., Boston, Mass.

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.—*Concluded.*

Date of issue.	Description.	No.	Denom-ination.	Amount.	Total.	Date when the principal is payable.	Rate %	Interest.	
								When payable.	Where payable.
Oct. 1, 1910	Cemetery bonds	21	\$1,000	\$21,000	\$21,000	October 1, 1930	3 ½	Semi-annual	Second Nat. Bk., Boston, Mass.
July 1, 1913	Cemetery bonds	14	1,000	14,000	14,000	{ \$2,000 July 1, 1917, } { and \$2,000 annually } { to July 1, 1923, inc. }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
Oct. 1, 1913	Cemetery bonds	...	.....	6,700	6,700	October 1, 1933	4	Semi-annual	Second Nat. Bk., Boston, Mass.
Sept. 1, 1912	Fire-alarm bonds	85	1,000	85,000	85,000	{ \$5,000 Sept. 1, 1917, } { and \$5,000 annu- } { ally to Sept. 1, 1932, } { inclusive, and \$10,- } { 000 Sept. 1, 1933. }	3 ½	Semi-annual	Second Nat. Bk., Boston, Mass.
Oct. 1, 1913	Street & Sewer bonds	85	1,000	85,000	85,000	{ \$5,000 to October 1, } { 1917, and \$5,000 an- } { nually to October 1, } { 1933, inclusive. }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
July 1, 1914	Macadamizing & Sewer bonds	90	1,000	90,000	90,000	{ \$5,000 July 1, 1917, } { and \$5,000 annually } { to July 1, 1934. }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
Mar. 1, 1915	Destructor plant bonds	145	1,000	145,000	145,000	{ \$5,000 March 1, 1917, } { 1925, and \$10,000 } { March 1, 1926-1935. }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
June 1, 1915	Hospital bonds	70	1,000	70,000	70,000	{ \$5,000 July 1, 1917, } { 1913. }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
July 1, 1915	Bridge & Sewer bonds	70	1,000	70,000	70,000	{ \$5,000 August 1, } { 1917-1930 }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
Aug. 1, 1916	Street & Sewer bonds	100	1,000	100,000	100,000	{ \$5,000, August 1, } { 1917-1936 }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
Aug. 1, 1916	School bonds	100	1,000	100,000	100,000	{ \$5,000, August 1, } { 1917-1936 }	4	Semi-annual	Second Nat. Bk., Boston, Mass.
					\$1,794,700				

REMARKS. The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay \$100 and upward. There are \$30,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the \$1,794,700.

Total amount of bonded debt, including cemetery bonds..	\$1,824,700.00
Net indebtedness for water purposes.....	300,000.00

Net debt after deducting water debt.....	\$1,524,700.00
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As shown in the assessors' books for the year 1917:

The assessed value of personal property.....	\$10,343,721.00
The assessed value of real estate.....	64,213,561.00

Total value for taxation.....	\$74,557,282.00
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Tax rate, 1.56 percent on a hundred.

Percent of net indebtedness (excluding debt for water purposes) to assessed valuation	2.04
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Percent of net indebtedness (including debt for water purposes) to assessed valuation.....	2.44
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Population, estimated	80,000
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No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1916, \$411,578.00.

The power of the city to borrow money in relation to the water-works is limited to the sum of \$600,000 by section 6, chapter 70, New Hampshire Laws of 1871, entitled "An act to enable the city of Manchester to establish water-works;" except as further extended an amount of \$300,000 by laws of 1891, chapter 26; and \$200,000 by laws of 1895, chapter 172.

SUMMARY OF CITY DEBT.

Amount of bonded debt January 1, 1916.....	\$1,816,700.00
Amount of notes issued during year.....	23,000.00
Bonds issued during year.....	200,000.00
Accrued interest on bonded debt, December 31, 1916.....	25,860.00

	\$2,065,560.00
Amount of bonded debt paid in 1916.....	140,000.00

Total indebtedness, December 31, 1916.....	\$1,925,560.00
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AVAILABLE ASSETS.

Net cash on hand December 31, 1916.....	\$183,516.43
Taxes uncollected, list of 1916.....	38,093.51
Stock of Suncook Valley Railroad, estimated value.....	20,000.00
Sinking fund December 31, 1916.....	411,578.00
	<hr/>
	\$633,187.94

Valuation of Real Estate Owned by the City.

SCHOOLS.

High school, Beech street, corner Lowell:

Building	\$200,000.00	
59,400 square feet of land.....	29,700.00	
	<hr/>	\$229,700.00

Franklin-street school, Franklin street, corner Pleasant:

Building	\$15,000.00	
19,200 square feet of land.....	24,000.00	
	<hr/>	\$39,000.00

Spring-street school, Spring street:

Building	\$13,000.00	
11,551 square feet of land.....	11,551.00	
	<hr/>	\$24,551.00

Lincoln-street school, Lincoln street, corner Merrimack:

Building	\$50,000.00	
40,000 square feet of land.....	10,000.00	
	<hr/>	\$60,000.00

Ash-street school, Ash street, corner of Bridge:

Building	\$55,000.00	
57,537 square feet of land.....	28,765.00	
	<hr/>	\$83,765.00

Main-street school, North Main street, West Manchester:

Building	\$15,000.00	
40,293.4 square feet of land.....	16,000.00	
	<hr/>	\$31,000.00

Webster-street school Webster street:

Building	\$45,000.00	
55,714¾ square feet of land.....	16,710.00	
	<hr/>	\$61,710.00

Lowell-street school, Lowell street, corner Chestnut:		
Building	\$5,000.00	
9,650 square feet of land.....	9,650.00	
		\$14,650.00
Maynard school, Merrimack street, corner Union:		
Building	\$66,000.00	
22,000 square feet of land.....	9,000.00	
		\$75,000.00
Parker school, South Main street, West Manchester:		
Building	\$25,000.00	
19,402 square feet of land.....	3,880.00	
		\$28,880.00
Bakersville school, Elm street, south:		
Building	\$45,220.00	
23,937 square feet of land.....	4,780.00	
		\$50,000.00
Stark District school, River road, north:		
Building	\$1,500.00	
43,560 square feet of land.....	500.00	
		\$2,000.00
Amoskeag school, Front street, Amoskeag:		
Building	\$9,000.00	
6,000 square feet of land.....	900.00	
		\$9,900.00
Rimmon school, corner Amory and Dubuque streets:		
Building	\$27,000.00	
16,600 square feet of land.....	3,320.00	
		\$30,320.00
Goffs Falls school, Goffe's Falls:		
Building	\$14,000.00	
47,916 square feet of land.....	500.00	
		\$14,500.00
Harvey District school, Nutt road:		
Building	\$2,000.00	
21,780 square feet of land.....	100.00	
		\$2,100.00
Webster Mills school, Webster Mills:		
Building	\$400.00	
5,445 square feet of land.....	100.00	
		\$500.00
Youngsville school, Youngsville:		
Building	\$14,000.00	
41,915 square feet of land.....	500.00	
		\$14,500.00

Mosquito Pond school, Mosquito Pond:		
Building	\$400.00	
10,890 square feet of land.....	100.00	
		\$500.00
Pearl-street school:		
Building	\$20,000.00	
21,331 square feet of land.....	4,260.00	
		\$24,260.00
Varney school, Bowman street, corner Mast, West Manchester:		
Building	\$43,750.00	
57,218 square feet of land.....	8,560.00	
		\$52,310.00
Hallsville school, Jewett street, corner Hayward, East Manchester:		
Building	\$47,800.00	
44,000 square feet of land.....	4,400.00	
		\$52,200.00
Straw school, Chestnut street, corner Har- rison:		
Building	\$30,000.00	
32,400 square feet of land.....	16,200.00	
		\$46,200.00
Wilson school, Wilson, Cedar and Auburn streets:		
Building	\$40,000.00	
41,600 square feet of land.....	6,240.00	
		\$46,240.00
South Manchester school, Titus avenue:		
Building	\$12,000.00	
48,400 square feet of land.....	2,400.00	
		\$14,400.00
Chandler school, Concord street, corner Ashland:		
Building	\$40,000.00	
22,682 square feet of land.....	5,540.00	
		\$45,540.00
Brown school, corner Amory, Alsace, and Joliette streets:		
Building	\$30,000.00	
39,250 square feet of land.....	7,300.00	
		\$37,300.00
Total		\$1,091,026.00

ENGINE HOUSES.

Engine house and stable, Central Station, Vine street:		
Building	\$120,000.00	
12,635 square feet of land.....	25,250.00	
		\$145,250.00
North Main-street engine house, North Main street, West Manchester:		
Building	\$20,000	
17,950 square feet of land.....	7,180.00	
		\$27,180.00
Webster-street engine house, Webster street, corner Chestnut:		
Building	\$25,000.00	
8,510 square feet of land.....	2,650.00	
		\$27,650.00
Merrimack engine house, Lake avenue:		
Building	\$20,000.00	
10,000 square feet of land.....	3,000.00	
		\$23,000.00
Hosehouse and cottage, Maple street, cor- ner East High:		
Building	\$3,000.00	
10,370 square feet of land.....	3,100.00	
		\$6,100.00
Engine house, Rimmon and Amory streets,		
Building	\$25,000.00	
6,000 square feet of land.....	1,200.00	
		\$26,200.00
South Manchester hose house:		
Building	\$4,000.00	
4,425 square feet of land.....	880.00	
		\$4,880.00
Engine house, Concord street, corner Weston:		
Building	\$7,000.00	
15,000 square feet of land.....	1,500.00	
		\$8,500.00
Hose house and wardroom, Somerville street:		
Building	\$18,000.00	
10,527.75 square feet of land.....	1,580.00	
		\$19,580.00
Hose house, Brown avenue, Goffe's Falls:		
Building	\$1,000.00	
2,337 square feet of land.....	116.00	
		\$1,116.00

Engine house, South Main and McDuffie
streets:

Building	\$20,000.00	
7,993 square feet of land	800.00	
		<hr/>
		\$20,800.00

Hose house, Candia road:

Building on city land	\$850.00	
		<hr/>
		\$850.00

\$311,106.00

OTHER PUBLIC BUILDINGS AND LOTS.

City Library, Dean avenue, corner Franklin
street:

Building	\$35,000.00	
15,000 square feet of land.....	30,000.00	
		<hr/>
		\$65,000.00

Carpenter Memorial library, Pine street:

Building	\$277,730.00	
48,180 square feet of land.....	72,270.00	
		<hr/>
		\$350,000.00

City hall, Elm street, corner Market:

Building	\$50,000.00	
10,000 square feet of land.....	200,000.00	
		<hr/>
		\$250,000.00

City Farm, Mammoth road:

Building	\$5,000.00	
114.17 acres land.....	134,675.00	
		<hr/>
		\$139,675.00

Court House, Franklin street, corner West
Merrimack:

Building	\$20,000.00	
19,000 square feet of land.....	19,000.00	
		<hr/>
		\$39,000.00

Battery building, Manchester street:

Building	\$9,450.00	
3,400 square feet of land.....	2,550.00	
		<hr/>
		\$12,000.00

Police station, Manchester street, corner
Chestnut:

Building	\$62,750.00	
11,000 square feet of land.....	19,250.00	
		<hr/>
		\$82,000.00

City stable and other buildings, Franklin
street:

Building	\$24,100.00	
61,936 square feet of land.....	92,900.00	
		<hr/>
		\$117,000.00

City yard, Lincoln, Hayward, Maple, and Valley streets:		
Buildings	\$2,000.00	
231,000 square feet of land.....	25,410.00	
		<hr/>
		\$27,410.00
Police station, Clinton street, West Manchester:		
Building	\$4,000.00	
3,600 square feet of land.....	720.00	
		<hr/>
		\$4,720.00
Ward 5 wardroom, Lake avenue:		
Building	\$4,500.00	
3,000 square feet of land.....	450.00	
		<hr/>
		\$4,950.00
City stable, district No. 10	\$1,200.00	
		<hr/>
		\$1,200.00
City scales, Franklin street:		
Building	\$300.00	
		<hr/>
		\$300.00
Ward 2 wardroom, Blodget street:		
Building	\$2,500.00	
9,000 square feet of land.....	4,500.00	
		<hr/>
		\$7,000.00
Hose house, Mammoth road:		
Building	\$1,000.00	
28,580 square feet of land.....	2,850.00	
		<hr/>
		\$3,850.00
City Bath House, Railroad street:		
2.42 acres land	\$950.00	
Building	500.00	
		<hr/>
		\$1,450.00
		<hr/>
		\$1,107,055.00

Personal Property Owned by the City.

Property in care city engineer	\$1,350.00
chief engineer fire department.....	202,412.62
board of public works (estimated).....	32,336.67
superintendent of schools.....	55,441.25
city messenger	3,000.00
of chief of police and janitor.....	7,250.00
trustees city library.....	30,000.00
superintendent of Pine Grove Cemetery	2,246.87
superintendent of Valley Cemetery.....	437.80

Stock in Suncook Valley Railroad, in care of city treasurer	\$20,000.00
Personal property in care city weigher.....	1,000.00
	<hr/>
	\$355,475.21
Uncollected taxes in 1916.....	\$38,093.51
Net cash in treasury December 31, 1916.....	183,516.43
	<hr/>
	\$221,609.94

Other Real and Personal Property Owned by the City.

Public Comfort, Merrimack common	\$15,000.00
Soldiers' monument	25,000.00
Amoskeag bridge over Merrimack river.....	25,000.00
Fountains and water-troughs on streets and commons....	3,600.00
City tomb	10,000.00
McGregor bridge	100,000.00
Granite bridge	150,000.00
South Main-street bridge, over Piscataquog river.....	30,000.00
Second-street bridge, over Piscataquog river.....	55,000.00
Kelly-street bridge, over Piscataquog river.....	103,500.00
Granite-street bridge, over B. & M. R. R.	6,000.00
Print-works bridge, on Granite, over lower canal.....	15,000.00
Two bridges in highway, district No. 9.....	2,000.00
One bridge at Goffe's Falls.....	3,500.00
Expended on construction of sewers.....	1,382,578.00
Gravel lot, Bridge-street extension.....	500.00
Gravel lot, Goffstown, 2 acres.....	400.00
Fountains and water-troughs.....	3,600.00
	<hr/>
	\$1,930,678.00

PARKS AND CEMETERIES.

Valley Cemetery, 19.7 acres.....	\$230,000.00
Pine Grove Cemetery, Ursula chapel.....	16,000.00
Pine Grove Cemetery, about 262.65 acres.....	431,500.00
Amoskeag Cemetery, 1.23 acres.....	1,100.00
Stark park, 30 acres.....	60,000.00
Derryfield park, 76 acres.....	114,000.00
Concord common, 183,000 square feet of land.....	183,000.00
Tremont common, 98,065 square feet of land.....	49,000.00
Hanover common, 132,000 square feet of land.....	99,000.00
Park common, 157,800 square feet of land.....	78,900.00

Merrimack common, 256,500 square feet of land.....	\$769,500.00
Wagner's park, 429,250 square feet of land.....	6,430.00
Lafayette park, 90,500 square feet of land.....	45,200.00
Prout park, 233,601 square feet of land.....	22,300.00
East Side park, 19,363 square feet of land.....	5,000.00
Simpson park, 24,570 square feet of land.....	12,275.00
Parker common, 114,000 square feet of land.....	11,400.00
Rock Rimmon park, 42.88 acres of land.....	17,152.00
Walker park, 69,688 square feet of land.....	20,900.00
	<hr/>
	\$2,134,605.00
Real estate and personal property of water-works, at cost price	\$2,489,228.02
Land owned by the city, being deeded to the city on sale for taxes:	
Lot 279, Glenwood avenue:	
5,006 square feet	\$100.00
Lots 31, 32, Hoyt Plan, Hall street:	
5,010 square feet	300.00
Lots 13, 14, Blk. 17, Waltham street:	
10,000 square feet of land.....	20.00
Lot 116, Harriman street:	
4,550 square feet of land.....	16.00
Lots 123, 124, Donahoe street:	
10,000 square feet of land.....	60.00
Lot 65, Cody Plan, Cody street:	
5,000 square feet of land.....	100.00
Lot 79, Myrtle avenue:	
5,000 square feet of land.....	38.00
Lot 22, Centennial street:	
5,000 square feet of land.....	20.00
Lot 73, Centennial street:	
5,000 square feet of land.....	20.00
Lot 63, Isabella street:	
5,000 square feet of land.....	20.00
Lots 26, 27, 28, Bowditch street:	
9,760 square feet of land.....	30.00
Lots 159, 160, 161 Woodlawn avenue:	
11,900 square feet of land.....	30.00
Lots 142, 143, Brewster street:	
8,000 square feet of land.....	20.00
Lot 8, Boylston street:	
4,000 square feet of land.....	10.00
Lot 79, Brunswick street:	
4,000 square feet of land.....	10.00
Lot 29, Bowditch street:	
3,300 square feet land	10.00
Lot, Nutt road	80.00

Lot, Cilley road:	
5,000 square feet of land.....	\$80.00
Lot, Hapgood Land	10.00
Lot, rear of Beacon Bldg, Elm street:	
239 square feet of land.....	220.00
Lot, South Main street:	
11,829 square feet of land.....	1,500.00
Lot Highland Park avenue:	
10,000 square feet of land.....	150.00
Lot, 109 Grand avenue:	
4,500 square feet of land.....	135.00
Lot 38, Laxson avenue:	
5,000 square feet land.....	30.00
Lots 1, 2, 3, Blk. 5, Massachusetts avenue:	
17,350 square feet of land.....	20.00
Lot 4, Blk. 5, Springfield street:	
5,000 square feet of land.....	5.00
Lots 15, 16, 17, Blk. 17, Waltham street:	
15,000 square feet land	15.00
Lots 6, 7, Blk. 17, Pembroke street:	
10,000 square feet of land.....	10.00
Lots 19 to 26, Blk. 22, Massachusetts avenue:	
40,000 square feet of land.....	40.00
Lots 2 to 16, Blk 30, Springfield street:	
75,000 square feet of land.....	75.00
Lots 7 to 14, Blk. 31, Massachusetts avenue:	
40,000 square feet of land.....	40.00
Lots 17 to 30, Blk. 34, Waltham street:	
70,000 square feet of land.....	70.00
Lots 248, 249, Boynton street:	
7,870 square feet of land.....	100.00
Lot 344 Fifth street:	
2,500 square feet of land.....	10.00
Lots 124, 125, Groveland avenue:	
5,070 square feet of land.....	25.00
Lots 124, 125 Hillside avenue:	
6,272 square feet of land.....	25.00
Lot 108 Hillside avenue:	
5,000 square feet of land.....	50.00
Lots 50, 51, Boylston street:	
8,000 square feet of land.....	20.00
Lots 113 to 117, Berwick street:	
20,000 square feet of land.....	50.00
Lots 104 to 108, Berwick street:	
20,000 square feet of land.....	50.00
Lot 166, Bosworth street:	
2,975 square feet of land.....	10.00

Lot 7, Boylston street:	
4,000 square feet of land	\$10.00
Lots 11, 12, Boylston street:	
8,000 square feet of land.....	20.00
Lots 18 to 25, Boylston street:	
31,900 square feet of land.....	80.00
Lot 41, Boylston street:	
4,000 square feet of land.....	10.00
Lot 168, Bradford street:	
3,100 square feet of land.....	10.00
Lot 162, Bradford street:	
4,000 square feet of land.....	10.00
Lot 138, Brewster street:	
4,000 square feet of land.....	10.00
Lots 140 141, Brewster street:	
8,000 square feet of land.....	20.00
Lot 71, Brunswick street:	
4,000 square feet of land.....	10.00
Lot 81, Brunswick street:	
4,000 square feet of land.....	10.00
Lots 88, 89, Brunswick street:	
8,000 square feet of land.....	20.00
Lots 1, 2, 3, Woodlawn avenue:	
10,500 square feet of land.....	30.00
Lots 135, 136, Woodlawn avenue:	
6,500 square feet of land.....	20.00
Lot 164, Bradford street:	
4,000 square feet of land.....	10.00
Lots 145, 146, 147, Brewster street:	
12,000 square feet of land.....	30.00
Lot 156, 157, Brewster street:	
8,575 square feet of land.....	20.00
Lot 30, Mammoth road:	
4,867 square feet of land.....	100.00
Lot Front street:	
8 acres of land.....	2,500.00
	<hr/>
	\$6,444.00

RECAPITULATION.

Real estate owned by the city, schoolhouses.....	\$1,091,026.00
Real estate owned by city.....	1,107,055.00
Real estate owned by city, engine-houses.....	311,106.00
Water-works at cost price	2,489,228.02
Personal property owned by the city.....	355,475.21
Uncollected taxes and cash.....	221,609.94
Other real and personal property.....	1,930,678.00

Parks and cemeteries	\$2,134,605.00
Real estate purchased for taxes.....	6,444.00
	<hr/>
	\$9,647,227.17

PROPERTY ACCOUNTS.

Inventory of assets, December 31, 1916.....	\$9,647,227.17
Inventory of assets, December 31, 1915.....	9,385,703.39
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Gain in valuation	\$261,523.78

Auditor's Office.

City Hall building. Open from 9 to 12 A. M., 1.30 to 5 P. M.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

6. Is the bill written in a fair, legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the percent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection or suspension for further information or correction as the circumstances of each case may require.

ENGINEER'S DEPARTMENT.

REPORT OF THE ENGINEER'S DEPARTMENT

MANCHESTER, N. H., December 31, 1916.

To the Honorable Board of Mayor and Aldermen :

GENTLEMEN—The thirty-eighth annual report of the engineer's department is herewith submitted, showing the expenditures and operations for the year ending December 31, 1916.

ORGANIZATION.

SAMUEL J. LORD, *Engineer.*

GEORGE W. WALES, *First Assistant.*

HARRIE M. YOUNG, *Chief Clerk.*

Assistants: Alfred T. Dodge, second assistant; Henry A. Worthen, instrument man; Harold M. Haskell, draughtsman from April 3, transferred from Elm-street bridge; Edson W. Keith, instrument man; Frank D. Carr, rodman; Maurice R. Shepard, stenographer (to September 8th); Edward R. Wagner, rodman (from June 19th to September 9th); Henry F. Bailey, rodman (to October 6th); David S. Keith, rodman; John J. McAllister, Jr., stenographer; Clarence Kean, rodman (from June 22); Ray C. Cole, rodman (from September 21); Frederick N. Spaulding, rodman (from August 23rd to September 16th); Harold M. Worthen, rodman (from November 9th to December 26th); John J. Bresnahan, inspector (from June 5 to July 3).

FINANCIAL.

Appropriation to the Engineer's Department for the year	
1916	\$12,000.00
Expenses of the Engineer's Department for the year	
1916	12,000.00
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	\$12,000.00
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ORDERS.

Board of mayor and aldermen (meetings).....	4
Board of examiners of plumbers' (meetings).....	8
Petitions for highways.....	42
Petitions for highway grade.....	43
Petitions for new sewers.....	38
Table No. 29 (highway bounds)	45

Table No. 30 (levels for profile)	54
Table No. 30 (plans and profiles)	46
Table No. 31 (miscellaneous orders, field)	234
Table No. 31 (miscellaneous orders, office)	83
Table No. 32 (street signs, orders)	28
Table No. 33 (schoolhouse signs, orders).....	10
Table No. 34 (auto signs, orders).....	6
Table No. 35 (cemetery orders, field)	13
Table No. 36 (street numbers, orders).....	267
Table No. 37 (Board of Public Works, orders.....	271

 1,192

FIELD WORK.

Levels for profile for establishing grades (length in feet)	137,260
Levels for sewer profiles (length in feet).....	7,415
Levels in Pine Grove Cemetery (length in feet).....	1,200
Levels in Valley Cemetery (length in feet).....	2,120
Other levels (length in feet).....	12,615

 Total length of levels in feet..... 166,610

Cross section levels (square feet)	506,196
Surveys of streets and street lines (length in feet).....	22,760
Surveys in Pine Grove Cemetery (length in feet).....	1,200
Surveys for street numbers (length in feet).....	3,720
Surveys, miscellaneous (length in feet).....	18,640

 Total length of surveys in feet..... 46,320

Street lines marked on ground (length in feet).....	6,250
Lot and avenue lines, Pine Grove Cemetery (length in feet)	1,800
Lines for gutters (length in feet)	4,620
Lines for curbs (length in feet).....	41,240
Lines for sewers (length in feet).....	8,000
Line for building streets (length in feet)	60,410
Other lines (length in feet)	5,920

 Total length of lines marked on ground..... 128,240

Grades set for sidewalks (length in feet).....	19,760
Grades set for gutters (length in feet).....	4,620
Grades set for curbs (length in feet).....	41,240
Grades set for sewers (length in feet).....	8,000
Grades set for building streets (length in feet).....	60,410
Grades set for paving (length in feet).....	3,060
Grades set in Pine Grove Cemetery (length in feet).....	620
Grades set for other purposes (length in feet).....	6,295

 Total length in feet of grades set 144,005

Number of new lots staked out in Pine Grove Cemetery..	45
Number of lots restaked in Pine Grove Cemetery.....	51
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Total number of lots staked out in Pine Grove Cemetery	96
Highway bounds set.....	29
Highway bounds reset	14
Highway bounds removed.....	4
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Total number of highway bounds set and removed....	47

SEWER PLANS AND PROFILE.

Amherst, Alfred to Hilton.
 Beech, Hayward to Bell.
 Central, Hall Road westerly, and private land, Lake avenue northerly.
 Fourth east back, Ferry to School south back.
 Goffstown road, Front westerly.
 Hevey, Wayne to Amory.
 Hevey, Bremer to Mason.
 Highland, Hanover to Amherst.
 Kelley, Pinard and private land.
 Lamprey, Mast road westerly.
 Lodge, Maple to Oak.
 Mast road, Wilkins to Gove.
 Mystic avenue, Candia road to Glenwood avenue.
 Oak, Myrtle to Harrison.
 Pine. Hanover to Amherst.
 Private land, Lake avenue northerly.
 Railroad, Whittemore north and south.
 Woodbine avenue, Oakland avenue to C. & P. R. R.
 Total sewer plans and profiles, 18.

NUMBERING PLANS.

Bridge place, Lowell north back to Bridge.
 Brockton, Brock to Forest.
 Dewey, Calef road to Beech.
 Exeter avenue, Harvard to Hayward.
 Labrecque, Coolidge avenue west back to Rimmon.
 Lewis, Summerside avenue to west of Rowell.
 Litchfield lane, Manhattan lane to Hall street. Two plans.
 Morey, Lincoln to Hall.
 Riverdale, Smyth Ferry road to north of Mitchell.
 Seminole, Summerside avenue to west of Rowell.
 South Porter, Cilley road southerly.

Summerside avenue, Milford to Lewis.

Wilmot, Calef road to Beech.

Total numbering plans, 14.

MISCELLANEOUS PLANS.

Amherst, Chestnut, Concord and Vine streets, "Concord Common," cross section and location of walks and trees.

Amherst, west of Bartlett, showing location of street.

Arlington, Bridge and Hall streets, estate of George F. Elliott.

Auburn to Mechanic, Elm to Canal. Sectional plan.

Baker brook, proposed sewer route. Two profiles.

Bell, Schiller, South Main and Wheelock streets, land of Fred G. Stark.

Belmont, Cypress, Hall, Manning, Shasta, Taylor and Wilson streets and Cilley road, "Belmont park."

Board of Examiners of Plumbers, plates 1 to 12. Two plans.

Bowman place, Riddle and Tilton streets, Riddle estate.

Chestnut, Elm, Rowell and Union streets and River road, land of State Industrial school.

Cliff, Dale, Meadow and Short streets, Cottage, Crescent, Riverside, Springdale and Warren roads and Brown avenue, "Riverside Manor."

Concord and Dutton streets, land of Arsene Brunelle.

Concord and Vine and Nutfield lane. Grade sheet.

Elm street, Hayward street southerly. Profile showing grade of street and bridge.

Elm street viaduct, detail plans. Five plans.

Ferry, Fourth, South Main and Walker streets, "Walker park." Cross section and sidewalk grades.

Gordon, Patten, Ridgeway, Union, Vista and Walnut streets, land of Willis C. Patten, "Union park."

Hanover street, Cemetery brook easterly, land of H. E. Quimby.

Island Pond road, land of William Corey estate.

Mast and Riddle streets, land of John C. Bickford.

River road and West Webster street, land of George C. Wilkins.

River road and West Webster street, Daniels, Reed and Savacool lots.

Total miscellaneous plans, 36.

WORKING PLANS.

Ash, North to Webster. Profile.

Baker brook, Calef road to Nutt's pond. Three plans and profiles.

Baker brook, Brown avenue to Merrimack river. Sewer plan and profile.

Beech, Bridge to Salmon. Three profiles.

Beech east back, Harrison to Brook. Profile.

Bremer, Coolidge avenue to Youville. Profile.

Bridge street extension, Candia road westerly. Profile.
 Brockton, Brock to Forest. Profile.
 Campbell, Union to Hooksett road. Three profiles.
 Canal, Kidder to Hollis. Grade plan.
 Candia road, Page easterly. Profile.
 Candia road, Station 37 + 29 to town line. Five profiles.
 Central, Chestnut to Pine. Profile.
 Cove, Elm westerly. Profile.
 Douglas, Main to Dover. Plan.
 Dover, Granite to Douglas. Profile.
 Dubuque east back, Kelley to Dubuque. Profile.
 Elm, Cove to West Valley. Profile.
 Elm, west side, West Central to Pleasant. Profile.
 Elm, Rowell northerly. Profile.
 Ferry, Third to South Main. Profile.
 Ferry to Walker, South Main to Fourth. Cross section.
 Fourth east back, Ferry to School south back. Profile.
 Gas Company brook, Calef road to west of Elm. Plan and profile.
 Hampshire lane, North, Kidder to Hollis. Profile.
 Harrison south back, Chestnut to Pine. Profile.
 Hayward, Belmont to Taylor. Profile.
 Hollis, Elm to Canal. Grade plan.
 Johnson, Porter to Mammoth road. Profile.
 Kidder, Elm to Canal. Grade plan.
 Knowlton, south of Hayward to Somerville. Profile.
 Litchfield lane, Union to Beech. Profile.
 Londonderry turnpike, Candia road to C. & P. R. R. Profile.
 Manhattan lane, Auburn to Cedar. Profile.
 Maple, Blodget to Webster. Three profiles.
 McDuffie, Boynton to Huntress. Profile.
 Merrimack, Elm to Chestnut. Profile.
 Merrimack common, showing walks, trees, monument, etc. Plan.
 Monadnock lane, Nutfield lane to Chestnut. Profile.
 North, Beech to east of Oak. Profile.
 Nutfield lane, Manchester to Monadnock lane. Profile.
 Pavilion, Candia road southerly. Profile.
 Pearl, Walnut to Beech. Profile.
 River road at Wallace Laird's. Profile.
 Rowell, Elm to River road. Profile.
 Salmon, Maple to east of Oak. Profile.
 Schuyler north back, Flaherty lane to Notre Dame avenue. Profile.
 Shirley Hill road, Mast road to Rockland avenue. Profile.
 Somerville, Porter to Mammoth road. Profile.
 Spruce, Elm to Chestnut. Profile.
 Valley, West, Elm westerly. Profile.
 Valley Cemetery, west line Auburn to Valley. Profile.
 Vine, Amherst to Concord. Profile.
 Total working plans, 65.

TRACINGS.

Manchester Traction, Light & Power Company, showing location of poles, 106 tracings.

New England Telephone & Telegraph Company, showing location of poles, 72 tracings.

North Weare branch of Boston & Maine R. R., at Kelley-street bridge. Willow street, Auburn to Valley, bank wall.

Total tracings, 180.

BLUE PRINTS.

Baker brook sewer. Four prints.

Blanche, Isabel and Mildred avenues, and Lake Shore road, "Lake Shore Garden," land of Frank A. Heath.

Central, Hanover, Kenney and Laurel streets and Lake avenue, land of Roscoe K. Horne. Three prints.

City of Manchester, east side sewerage system. Three prints.

City of Manchester, west side sewerage system. Four prints.

Manchester Traction Light & Power Co., showing location of poles. Two hundred sixty-four prints.

New England Telephone & Telegraph Co., showing location of poles. One hundred and forty-four prints.

Pine Grove Cemetery, lots and avenues for G. A. R. Three prints.

Rock Rimmon and surrounding streets, showing location of proposed new avenue. Two prints.

Walker park, cross section and sidewalk grade.

Willow street, Auburn to Valley, bank wall.

Young street, land of William J. Lyons.

Total blue prints 427.

SUMMARY.

Plans and profiles (sewers)	18
Numbering plans	14
Miscellaneous plans	36
Working plans	65
Tracings	180
Blue prints	427
Assessment book sheets	2
Section plans	1

743

Four tracings showing city sewers have been brought up to date.

Maps brought up to date, five.

Plans brought up to date, thirty-two.

Plans made for establishing grade on streets, not laid out, 23,416 feet.

Plans made for establishing grade on streets, laid out, 41,899 feet.

SEWER LICENSES.

At a meeting of the board of mayor and aldermen November 19, 1897, the city engineer was instructed to "examine the books in his office and to present to said board a list of property owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled, giving the name of the property owner, and the location of the lot, the street frontage and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names and a notice was sent to each one by the city clerk. A summarized statement of the ground covered to January 1, 1917, follows, to wit:

Number of names January 1, 1898.....	1,017
Paid during 1898	277
Granted free during 1898	76
Paid prior to 1898, located during the year.....	121
Paid during 1899.....	24
Granted free during 1899.....	12
Paid during 1900	2
Not connected	1
Paid during 1901	2
Granted free during 1901	1
Paid during 1902	2
Paid during 1903	3
Paid during 1904	4
Paid during 1906	1
Paid during 1907	3
Granted free during 1907	1
Paid during 1908	2
Paid during 1909	2
Granted free during 1909	1
Paid during 1910	1
Paid during 1912	6
Paid during 1913	7
Paid during 1915	4
Paid during 1916	2
Paid prior to 1898, not located.....	60
Paid previously	3
Paid in part	1
Covered by old permit.....	1
Not recorded paid, receipts shown...	5
Recorded paid, no record of cash received	2

Claims to have paid, no record.....	1	
Licenses taken out, not paid.....	17	
Not heard from	372	
	<hr/>	
Total number not settled January 1, 1917	462	
	<hr/>	
	1,017	1,017
Number of licenses granted new sewer enterers during 1916		173
Number of free licenses granted sewer enterers during 1916		1
		<hr/>
Total number of licenses granted during 1916.....		174
Amount of money recorded as collected from new sewer enterers during 1916		\$2,574.51

(All moneys are collected by the city clerk.)

STREET NUMBERS.

Figures on hand January 1, 1916.....	329	
Figures ordered during 1916.....	1,342	
Letters on hand January 1, 1916.....	32	
Letters ordered during 1916.....	100	
Figures used during 1916.....		1,368
Figures on hand January 1, 1917.....		303
Letters used during 1916		8
Letters on hand January 1, 1917.....		124
	<hr/>	<hr/>
	1,803	1,803
Numbers assigned during 1916.....		457
Numbers replaced during 1916.....		17
Numbers changed during 1916.....		54
		<hr/>
		528

(The expense of street numbers is charged to the appropriation for the Engineer's Department.)

STREET PAVING.

Tables Nos. 1, 2, 3, 4, 5, 6, 7, 8 and 9 give the location, number of square yards, price per square yard, total cost and date when measured of all tar concrete, granolithic, roc-mac, granite blocks and wood blocks laid during the year as follows:

Table No. 1, Sidewalks, repairs; Table No. 2, Sidewalks, new; Table No. 3, Sidewalks new, tar concrete (Laws of 1913); Table No. 4, Sidewalks, new, granolithic (Laws of 1913); Table No. 5, Street Paving, repairs, bituminous mixture; Table No. 6, Street Paving, repairs; Tar via X or asphalt binder; Table No. 7, Street paving, repairs, tar concrete; Table No. 8, Street crossings, repairs; Table No. 9, Street paving, new; Table No. 10, Summary of Tables Nos. 1, 2, 3, 4, 5, 6, 7, 8 and 9.

TABLE No. 1.

SIDEWALKS (Repairs)—Robie Consolidated Concrete Company, Contractors.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Bridge, north side...	Elm to Chestnut	4.89	\$0.60	\$2.93	Aug. 4, 1916
Bridge, north side...	Elm to Chestnut	22.22	.60	13.33	Aug. 4, 1916
Bridge, north side...	Chestnut to Pine (E. M. & C. E. Dupuis)	38.88	.35	13.60	Oct. 31, 1916
Chestnut, west side...	Lake avenue to Spruce (Patrick J. Horan)	23.79	.35	8.32	Dec. 9, 1916
Chestnut, west side...	Hanover to Derryfield lane	45.38	.60	27.23	Nov. 8, 1916
Chestnut, west side...	Lake avenue southerly	63.30	.60	37.98	
Church, North, east side	Bridge northerly	1.16	.60	.70	Aug. 4, 1916
Concord common	At northeast corner	46.99	.60	28.19	Jan. 10, 1917
Elm, west side	At No. 724	3.40	.35	1.19	Dec. 9, 1916
Elm, west side	West Merrimack northerly	112.85	.30	33.85	Dec. 18, 1916
Granite, south side...	Franklin westerly	38.32	.60	22.99	Dec. 9, 1916
Granite, south side...	Franklin westerly	61.19	.35	21.42	Dec. 9, 1916
Kidder, south side...	Elm to North Hampshire lane	55.58	.60	33.35	Dec. 9, 1916
Kidder, south side...	Elm to North Hampshire lane	45.93	.35	16.07	Dec. 9, 1916
Main, South, east side	Goffe southerly	51.26	.60	30.76	Oct. 25, 1916
Manchester, south side	At Hotel Orrington .....	.94	.60	.56	Nov. 24, 1916
Maple, east side	Blodget northerly	55.55	.50	27.78	Nov. 8, 1916
Maple, east side	Blodget northerly	58.67	.35	20.53	Nov. 8, 1916
Maple, west side	At northwest corner Laurel (Chg. M. T., L. & P. Co.)	1.10	.50	.55	May 31, 1916
Merrimack north side	At Manchester House	2.11	.60	1.27	Nov. 24, 1916
Nashua, east side...	Bridge southerly	13.89	.60	8.33	Aug. 4, 1916
Nashua, east side...	Bridge, northerly	23.33	.60	14.00	Aug. 4, 1916
Orange, south side...	Union to Walnut (William F. Ready)	86.33	.35	30.21	Aug. 4, 1916
Orange, south side...	Union to Walnut (George R. Drake)	94.80	.35	33.18	Aug. 4, 1916
Spruce, south side...	Elm to Chestnut	60.68	.60	36.41	Oct. 31, 1916
Tremont common	Walk around fountain, etc.	176.44	.35	61.75	Aug. 4, 1916
Union east back	Pearl to Orange	5.07	.60	3.04	Dec. 9, 1916
Union, east side...	Orange southerly (William F. Ready)	92.20	.35	32.27	Aug. 4, 1916
Union, west side...	Pearl to Orange (Fred H. Walker)	42.67	.35	14.93	Aug. 4, 1916
Walnut, west side...	Pearl to Orange (George R. Drake)	47.33	.35	16.56	Aug. 4, 1916
		1,376.25		\$593.28	

TABLE No. 2.
SIDEWALKS (New)—Robie Consolidated Concrete Company, Contractors.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Central, north side..	Chestnut to Pine	317.94	\$0.60	\$190.76	Dec. 18, 1916
Central, south side..	Chestnut to Pine	327.69	.60	196.61	Dec. 18, 1916
Chestnut, east side..	Central to Litchfield lane	110.39	.60	66.23	Dec. 18, 1916
Concord, north side..	Pine westerly	64.34	.60	38.60	Dec. 18, 1916
Kidder, north side..	Elm to North Hampshire lane	124.60	.60	74.76	Dec. 9, 1916
Lowell, north side..	Maple, easterly	150.90	.60	90.54	Nov. 8, 1916
Maple, east side....	Lowell northerly	33.76	.60	32.26	Nov. 8, 1916
Pine, west side....	Concord to Seneca lane	87.04	.60	52.22	Dec. 18, 1916
Traction, north side	Franklin easterly	21.37	.60	12.82	May 31, 1916
		1,258.03		\$754.80	

TABLE No. 3.
SIDEWALKS (New)—Robie Consolidated Concrete Company, Contractors. (Under Laws of 1913.)

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Auburn	At northeast corner Beech*.....	7.74	\$0.60	\$4.64	Oct. 31, 1916
Auburn, north side..	Beech easterly (Reuben Silverman).....	104.67	.60	62.80	Oct. 31, 1916
Beech	At northwest corner Silver*.....	3.80	.60	5.88	Dec. 7, 1916
Beech, west side.....	Silver northerly (Victoria Belisle).....	132.69	.60	80.21	Dec. 7, 1916
Bridge, north side..	Elm to Chestnut (Emily C. Jettis).....	26.17	.60	15.70	Aug. 4, 1916
Bridge, north side..	Elm to Chestnut (Francis M. West).....	66.98	.60	40.19	Aug. 4, 1916
Bridge	At northeast corner Maple*.....	14.02	.60	8.41	Aug. 4, 1916
Bridge, north side..	Maple to Nashua (Emma Abbott).....	99.02	.60	59.42	Aug. 4, 1916
Bridge, north side..	Maple to Nashua (Mary E. Straw).....	81.64	.60	48.98	Aug. 4, 1916
Bridge, north side..	Maple to Nashua (Joseph M. Ducharme).....	62.80	.60	37.68	Aug. 4, 1916
Bridge, north side..	Maple to Nashua (Ira A. Baxter).....	78.50	.60	47.10	Aug. 4, 1916
Bridge, north side..	Maple to Nashua (John H. Boyd).....	93.15	.60	55.89	Aug. 4, 1916
Bridge	At northwest corner Nashua*.....	7.74	.60	4.64	Aug. 4, 1916
Bridge	At northeast corner Nashua.....	7.74	.60	4.64	Aug. 4, 1916
Bridge, north side..	Nashua to Russell (Hattie E. Little).....	130.31	.60	78.19	Aug. 4, 1916
Bridge, north side..	Nashua to Russell (Carrie L. Legro).....	93.68	.60	56.21	Aug. 4, 1916
Bridge, north side..	At northwest corner Russell*.....	7.74	.60	4.64	Aug. 4, 1916
Bridge	At northeast corner Russell*.....	7.74	.60	4.64	Aug. 4, 1916
Bridge, north side..	Russell to Warren (L. E. & M. L. Davis).....	60.71	.60	36.42	Aug. 4, 1916
Bridge, north side..	Russell to Warren (J. Chamberlin heirs).....	62.80	.60	37.68	Aug. 4, 1916
Bridge, north side..	Russell to Warren (Ira A. Baxter).....	60.71	.60	36.43	Aug. 4, 1916
Bridge	At northwest corner Warren*.....	7.74	.60	4.64	Aug. 4, 1916
Bridge	At southeast corner Warren*.....	12.14	.60	7.28	Aug. 4, 1916
Bridge	At southwest corner Maple*.....	40.73	.60	24.44	Aug. 4, 1916
Bridge	At southeast corner Nashua*.....	5.55	.60	3.33	Aug. 4, 1916
Bridge, south side..	Nashua to Malvern (Carrie J. Legro).....	41.86	.60	25.12	Aug. 4, 1916
Bridge, south side..	Nashua to Malvern (Leslie E. Parks).....	70.13	.60	42.08	Aug. 4, 1916
Bridge, south side..	Nashua to Malvern (Fred W. Fisher).....	31.40	.60	18.84	Aug. 4, 1916
Bridge, south side..	Nashua to Malvern (Mary P. McCrillis).....	72.74	.60	43.64	Aug. 4, 1916
Bridge	At southwest corner Malvern*.....	17.26	.60	10.36	Aug. 4, 1916
Bridge	At southeast corner Malvern*.....	10.18	.60	6.10	Aug. 4, 1916
Bridge, south side..	Malvern to Ashland (Georgia Williams).....	183.89	.60	110.33	Aug. 4, 1916
Bridge, south side..	Malvern to Ashland (C. B. Sturtevant).....	82.70	.60	49.62	Aug. 4, 1916
Bridge, south side..	Malvern to Ashland (Catherine Murphy).....	52.34	.60	31.40	Aug. 4, 1916
Bridge, south side..	Malvern to Ashland (James Murphy).....	99.44	.60	59.66	Aug. 4, 1916

Bridge, south side..	Malvern to Ashland (C. B. Smith).....	48.14	.60	28.88	Aug.	4, 1916
Bridge, south side..	Malvern to Ashland (Evangeline Eaton).....	48.14	.60	28.88	Aug.	4, 1916
Cedar, side..	At southeast corner Manhattan lane*.....	2.62	.60	1.57	Oct.	31, 1916
Cedar, south side..	No. 17-27 (Salem Elias).....	78.50	.60	47.10	Oct.	31, 1916
Cedar, south side..	No. 37-53 (Salem Elias).....	129.84	.60	77.90	Oct.	31, 1916
Cedar, south side..	No. 59*.....	4.71	.60	2.82	Oct.	31, 1916
Chestnut, west side..	Spruce northerly (William Plummer heirs).....	37.60	.60	22.56	Nov.	17, 1916
Laurel, north side..	Chestnut to Laurel avenue*.....	37.71	.60	52.63	Nov.	17, 1916
Laurel, north side..	Chestnut to Laurel avenue*.....	14.76	.60	8.86	Nov.	17, 1916
Main, South, side	At southwest corner Clinton*.....	5.00	.60	3.00	Oct.	31, 1916
Main, South, west side	Clinton to Parker (Willis B. Kendall).....	104.91	.60	62.95	Oct.	31, 1916
Main, South, west side	Clinton to Parker (Levi Dodge).....	26.38	.60	15.83	Oct.	31, 1916
Main, South, side	At northwest corner Parker*.....	5.00	.60	3.00	Oct.	31, 1916
Main, South, west side	At northwest corner Parker*.....	4.80	.60	2.88	Oct.	31, 1916
Main, South, west side	Parker to B. & M. R. R. (Mrs. Jennie Eastman).....	174.78	.60	104.87	Oct.	31, 1916
Main, South, west side	Parker to B. & M. R. R. (B. & M. R. R.).....	13.24	.60	7.94	Oct.	31, 1916
Main, South, side	At southeast corner Log*.....	7.71	.60	4.63	Oct.	25, 1916
Main, South, east side	Log to West Hancock (W. J. Tirrell).....	77.55	.60	46.53	Oct.	25, 1916
Main, South, east side	Log to West Hancock (Edwin H. Reuter).....	48.04	.60	28.82	Oct.	25, 1916
Main, South, east side	Log to West Hancock (N. H. Improvement Co.).....	124.45	.60	74.67	Oct.	25, 1916
Main, South, side	At northeast corner West Hancock*.....	10.05	.60	6.03	Oct.	25, 1916
Main, South, side	At southeast corner of West Hancock*.....	9.82	.60	5.89	Oct.	25, 1916
Main, South, east side	West Hancock to Goffe (Annie R. Daniels).....	128.02	.60	76.81	Oct.	25, 1916
Main, South, east side	West Hancock to Goffe (Flora E. Taylor).....	52.22	.60	31.34	Oct.	25, 1916
Main, South, east side	West Hancock to Goffe (Nellie Cressey Smith).....	52.22	.60	31.34	Oct.	25, 1916
Main, South, east side	West Hancock to Goffe (P. T. Kean).....	105.84	.60	63.50	Oct.	25, 1916
Main, South, side	At northeast corner Goffe*.....	7.71	.60	4.63	Oct.	25, 1916
Main, South, side	At southwest corner Mast*.....	7.71	.60	4.63	Oct.	25, 1916
Main, South, west side	Mast to Milford (Maennerchor club).....	102.51	.60	61.50	Oct.	25, 1916
Main, South, west side	Mast to Milford (Sacred Heart parish).....	285.26	.60	171.16	Oct.	25, 1916
Main, South, west side	Mast to Milford (I. R. French).....	106.22	.60	63.74	Oct.	25, 1916
Main, South, west side	Mast to Milford (A. B. Corcoran).....	58.07	.60	34.84	Oct.	25, 1916
Main, South, west side	Mast to Milford (Wm. G. Andrews).....	56.40	.60	33.84	Oct.	25, 1916
Main, South, west side	Mast to Milford (Calista A. Moulton).....	34.26	.60	20.56	Oct.	25, 1916
Main, South, side	At northwest corner Milford*.....	4.11	.60	2.47	Oct.	25, 1916
Milford, north side..	South Main westerly (Calista A. Moulton).....	76.24	.60	45.74	Oct.	25, 1916
Pearl, side..	Union easterly corner Union*.....	7.71	.60	4.63	Dec.	9, 1916
Pearl, north side..	Union easterly*.....	14.89	.60	8.93	Dec.	9, 1916
Pennacook, north side	Elm to Chestnut (F. H. & S. Pillsbury).....	82.67	.60	49.60	Aug.	4, 1916
Pennacook, north side	Beech westerly (Victoria Belisle).....	53.33	.60	32.00	Aug.	4, 1916
Silver, north side..	Elm to Chestnut (Jas. J. Dowd).....	94.00	.60	56.40	Dec.	7, 1916
Spruce, side..	At northwest & northeast corners Manhattan lane*.....	100.35	.60	60.21	Nov.	17, 1916
Spruce, north side..	Elm to Chestnut (Louis and Wm. Costakis).....	4.74	.60	2.84	Nov.	17, 1916
Spruce, north side..	Elm to Chestnut (Hrisothene Garstos).....	55.29	.60	33.17	Nov.	17, 1916
Spruce, north side..	Elm to Chestnut (Geo. Tsirimokos).....	26.11	.60	15.66	Nov.	17, 1916
Spruce, north side..	Elm to Chestnut (Hannah O'Connor).....	26.11	.60	15.66	Nov.	17, 1916

TABLE No. 3—*Concluded.*
SIDEWALKS (New)—Robie Consolidated Concrete Company, Contractors. (Under Laws of 1913.)

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Spruce north side.	Elm to Chestnut (Gernas & Karanasios).....	26.11	\$0.60	\$15.66	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Timpas & Pashos).....	26.11	.60	15.66	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (L. & G. Paisas).....	26.11	.60	15.66	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Bartholomew Bresnahan).....	24.03	.60	14.42	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Geo. Peknadas).....	23.92	.60	14.36	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Kehayas and others).....	52.22	.60	31.33	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Abedin, Kousteni & Hatzopoulos).....	26.11	.60	15.66	Nov. 17, 1916
Spruce	At northeast & northwest corner 5th avenue lane*	4.74	.60	2.84	Nov. 17, 1916
Spruce north side.	Elm to Chestnut (Wm. Plummer heirs).....	104.40	.60	62.64	Nov. 17, 1916
Spruce	At northwest corner Chestnut*.....	7.71	.60	4.63	Nov. 17, 1916
Spruce	At southwest corner Chestnut*.....	14.76	.60	8.86	Oct. 31, 1916
Spruce, south side.	Elm to Chestnut (Tsintzos & Harisis).....	56.57	.60	34.54	Oct. 31, 1916
Spruce, south side.	Elm to Chestnut (Hibram & Fione).....	47.10	.60	28.26	Oct. 31, 1916
Spruce	At southeast & southwest corners 5th avenue lane*	5.38	.60	3.23	Oct. 31, 1916
Spruce, south side.	Elm to Chestnut (Jas. Orestis).....	97.34	.60	58.40	Oct. 31, 1916
Spruce	At southwest corner Manhattan lane*	4.33	.60	2.60	Oct. 31, 1916
Spruce, south side.	Elm to Chestnut (Edith Hashey).....	95.83	.60	57.50	Oct. 31, 1916
Union, east side.	Pearl northerly (Holy Cross Church).....	136.56	.60	81.94	Dec. 9, 1916
		5,457.63		\$3,274.52	

*All charged to City.

TABLE No. 4.

SIDEWALKS (New)—Robie Consolidated Concrete Company, Contractors. (Under laws 1913) Granolithic walks.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Elm	At southeast corner Manchester*	12.76	\$1.50	\$19.14	Nov. 8, 1916
Elm, east side	Manchester southerly (May E. Straw)	70.02	1.50	105.03	Nov. 8, 1916
Elm	At northeast corner Merrimack*	12.89	1.50	19.34	Nov. 8, 1916
Elm, east side	Merrimack northerly (Pembroke Realty Co.)	85.25	1.50	127.87	Nov. 8, 1916
Elm	At southwest corner Pleasant*	14.70	1.50	22.05	Nov. 22, 1916
Elm, west side	Pleasant southerly (E. T. Stevens heirs)	88.10	1.50	132.15	Nov. 22, 1916
Hanover	At northwest corner Chestnut*	9.80	1.50	14.70	Nov. 8, 1916
Hanover, north side	Chestnut westerly (Joseph R. Laflamme)	62.93	1.50	94.40	Nov. 8, 1916
Londonderry lane	At northeast corner of Nutfield lane* .....	.55	1.50	.82	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (N. S. Clark Est.)	6.80	1.50	10.20	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (Geo. S. Holmes heirs) ..	4.85	1.50	7.28	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (Ed. Cushing, Agt.)	14.65	1.50	21.97	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (Victor Charas)	5.11	1.50	7.66	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (W. B. Johnson heirs) ..	12.69	1.50	19.03	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (Clara N. Brown)	10.22	1.50	15.33	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (Wm. A. Pierce Est.) ..	8.53	1.50	12.80	Dec. 8, 1916
Londonderry lane, north side	Nutfield lane to Chestnut (I. O. O. F. Bldg)	1.89	1.50	2.83	Dec. 8, 1916
Londonderry lane, south side	Nutfield lane to Chestnut (J. J. Abbott)	10.96	1.50	16.44	Dec. 8, 1916
Londonderry lane, south side	Nutfield lane to Chestnut (The Curtis Inn)	33.33	1.50	50.00	Dec. 8, 1916
Manchester, south side	Elm to Nutfield lane (May E. Straw)	77.72	1.50	116.58	Nov. 8, 1916
Manchester	Elm to Nutfield lane (James R. Straw)	21.00	1.50	31.50	Nov. 8, 1916
Manchester	At southeast corner Nutfield lane*	2.27	1.50	3.56	Nov. 8, 1916
Merrimack, north side ..	Elm easterly (Pembroke Realty Co.)	103.23	1.50	157.84	Nov. 22, 1916

TABLE No. 4—*Concluded.*

SIDEWALKS (New)—Robie Consolidated Concrete Company, Contractors. (Under laws 1913) (Granolithic walks—*Concluded.*)

Street.	Location.	Square yards.	Per square yard.	Total cost	Measured.
Monadnock lane, north side	Nutfield lane to Chestnut (Henry L. Jordan)	18.29	\$1.50	\$27.44	Dec. 8, 1916
Monadnock lane, north side	Nutfield lane to Chestnut (J. P. Chatel)	7.38	1.50	11.07	Dec. 8, 1916
Monadnock lane, south side	Nutfield lane to Chestnut (J. B. Varick Co.)	6.86	1.50	10.29	Dec. 8, 1916
Monadnock lane, south side	Nutfield lane to Chestnut (Thos. Lord)	15.19	1.50	22.78	Dec. 8, 1916
Nutfield lane, east side ..	Manchester to Monadnock lane (H. L. Jordan) ..	29.38	1.50	44.07	Dec. 8, 1916
Nutfield lane	At northeast corner Monadnock lane* .....	.50	1.50	.75	Dec. 8, 1916
Nutfield lane, west side ..	Manchester to Monadnock lane (Jas. R. Straw) ..	7.26	1.50	10.89	Dec. 8, 1916
Nutfield lane, west side ..	Manchester to Monadnock lane (R. G. Sullivan) ..	4.58	1.50	6.87	Dec. 8, 1916
Nutfield lane, west side ..	Manchester to Monadnock lane (J. B. Varick Co.)	3.58	1.50	5.37	Dec. 8, 1916
Nutfield lane, west side ..	Manchester to Monadnock lane (J. B. Varick Co.)	.57	1.50	0.86	Dec. 8, 1916
		765.94		\$1,148.91	
Nutfield lane, west side ..	Manchester to Monadnock lane (J. B. Varick Co.)†	11.15	1.50	16.72	Dec. 8, 1916
		777.09		\$1,165.63	

* All charged to City.

† Sidewalk laid by city labor.

TABLE No. 5.
STREET PAVING REPAIRS—Done with Bituminous Mixture.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Londonberry lane ...	Rear of I. O. O. F. building, at end new paving..	24.90	\$1.00	\$24.90	Oct. 30, 1916
Main, South	Goffe to Frederick (Chg. M. W. W.)	2.48	1.55	3.84	Oct. 26, 1916
Main, South	At Frederick St. intersection (Chg. Warren Bros.)	49.47	1.55	76.68	Oct. 26, 1916
Monadnock lane ...	East of Nutfield lane (curtain to catch basin)	40.50	1.00	40.50	Oct. 30, 1916
Nutfield lane	Hanover to Londonberry lane	37.33	1.55	57.86	Nov. 25, 1916
Second	At South Main intersection	435.47	1.00	435.47	Nov. 27, 1916
		590.15		\$639.25	

TABLE No. 6.

STREET PAVING (Repairs)—Streets patched with crushed stone and "Tarvia X" or asphalt binder.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Chestnut	Merrimack to Manchester	8.00	\$0.50	\$4.00	Oct. 30, 1916
Chestnut	Manchester to Hanover	2.90	.50	1.45	Oct. 30, 1916
Chestnut	Hanover to Amherst	3.11	.50	1.55	Oct. 30, 1916
Chestnut	Amherst to Concord	4.80	.50	2.40	Oct. 30, 1916
Chestnut	Concord to Lowell	4.44	.50	2.22	Oct. 30, 1916
Elm, east side	Bridge to Pearl	3.52	.50	1.76	Nov. 17, 1916
Elm, east side	Pearl to Orange .....	.53	.50	.27	Nov. 17, 1916
Elm, east side	Myrtle to Prospect	3.86	.50	1.93	Nov. 17, 1916
Elm, east side	Prospect to Harrison	1.61	.50	.80	Nov. 17, 1916
Elm, east side	Harrison to opposite Langdon	10.45	.50	5.23	Nov. 17, 1916
Elm, west side	Langdon to Dean	3.00	.50	1.50	Nov. 17, 1916
Elm, west side	Winter Place to Hollis	3.31	.50	1.65	Nov. 17, 1916
Elm, west side	Kidder to West Bridge	3.25	.50	.13	Nov. 17, 1916
Elm, west side	Turner to Second	1.76	.50	.88	Nov. 17, 1916
Granite	Second to South Main	13.30	.50	6.65	Oct. 24, 1916
Granite	Chestnut to Pine	68.48	.50	34.24	Oct. 24, 1916
Hanover	Granite to School	8.94	.50	4.47	Nov. 17, 1916
Main, South	School to Clinton	20.46	.50	10.23	Oct. 24, 1916
Main, South	Elm to Chestnut	3.55	.50	1.77	Oct. 24, 1916
Merrimack		32.55	.50	16.28	Oct. 30, 1916
		198.82		\$99.41	

TABLE No. 7.
STREET PAVING (Repairs)—Robie Consolidated Concrete Company, Contractors.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Amherst	Elm to Vine	36.70	\$0.50	\$18.35	May 18, 1916
Amherst	Union to Beech	17.58	.50	8.79	May 26, 1916
Amoskeag	Amoskeag bridge to Third	433.87	.50	216.93	June 1, 1916
Bridge, West	At east end of McGregor bridge (Chg. P. G. L. Co.)	121.54	.50	60.77	June 1, 1916
Central	Elm to Chestnut	9.30	.50	4.60	June 25, 1916
Chestnut	Concord to Amherst	96.15	.50	48.07	May 22, 1916
Chestnut	Amherst to Hanover	65.68	.50	32.84	May 22, 1916
Chestnut	Hanover to Manchester	134.94	.50	67.47	May 22, 1916
Chestnut	Manchester to Merrimack	190.57	.50	95.29	May 22, 1916
Chestnut, west side	Hanover to Derryfield lane	54.38	.50	27.19	May 22, 1916
Concord	Elm to Vine	35.05	1.00	35.05	Nov. 8, 1916
Elm, east side	Bridge to Pearl	32.42	.50	16.21	May 18, 1916
Elm, east side	Pearl to Orange	92.72	.50	46.36	May 18, 1916
Elm, west side	Dean to Winter place	32.61	.50	16.30	May 18, 1916
Elm, west side	Winter place to Hollis	6.84	.50	3.42	May 18, 1916
Elm, west side	Hollis to Kidder	1.56	.50	.78	May 18, 1916
Elm, west side	Kidder to West Bridge	116.36	.50	58.18	May 18, 1916
Granite	Turner to Second	83.96	.50	41.98	May 18, 1916
Granite	Second to Main	175.52	.50	87.76	June 1, 1916
Hamshire lane	Market to Stark	350.32	.50	175.16	June 6, 1916
Hanover	Nutfield lane to Chestnut	11.09	.50	5.54	June 22, 1916
Hanover	Nutfield lane to Chestnut (Chg. M. W. W.)	36.72	.50	18.36	June 22, 1916
Hanover	Union to Beech	5.13	.50	2.56	June 25, 1916
Lake avenue	Elm to Chestnut	252.58	.50	126.29	May 19, 1916
Lake avenue	Chestnut to Pine	134.13	.50	67.06	May 24, 1916
Main	In front Fire King Engine House	9.50	.50	4.75	May 25, 1916
Main	Putnam to Wayne	45.74	.50	22.87	June 6, 1916
Main	Wayne to Marion	350.38	.50	175.19	June 7, 1916
Main, South	Granite to School	72.87	.50	36.43	June 7, 1916
Main, South	School to Ferry	86.58	.50	43.29	June 6, 1916
Manchester	Nutfield lane to Chestnut	81.52	.50	40.96	June 22, 1916
Manchester	Nutfield lane to Chestnut (Chg. M. W. W.)	37.06	.50	18.53	June 15, 1916
Manhattan lane	Central to Litchfield lane	1.52	.50	.76	June 25, 1916
Maple	Merrimack to Laurel	18.00	.50	9.00	May 31, 1916
		108.54	.50	54.27	

TABLE No. 7—*Concluded.*
STREET PAVING (Repairs)—Robie Consolidated Concrete Company, Contractors—*Concluded.*

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Maple	Laurel to Central.....	72.83	\$0.50	\$36.41	May 31, 1916
Maple	Central to Lake avenue	27.60	.50	13.80	May 24, 1916
Merrimack, north side	Elm, easterly	20.54	1.00	20.54	Nov. 25, 1916
Merrimack	Elm to Chestnut	182.55	.50	91.27	May 31, 1916
Merrimack	Beech to Maple	259.08	.50	129.53	May 24, 1916
Merrimack, West.....	Elm to Franklin	113.97	.50	56.98	May 25, 1916
Pine	Central to Lake avenue	19.61	.50	9.80	May 25, 1916
Pine	Lake avenue to Spruce.....	.67	.50	.33	May 25, 1916
Second	At the north bridge.....	84.40	.50	42.20	June 2, 1916
Union	At the north bridge.....	28.63	.50	14.31	June 2, 1916
Union	Lake avenue to Central.....	56.72	.50	28.36	May 26, 1916
Union	Central to Laurel.....	21.43	.50	10.71	May 26, 1916
Union	Laurel to Merrimack.....	3.78	.50	1.89	May 26, 1916
Union	Hanover to Amherst	59.29	.50	29.64	May 26, 1916
Union	Amherst to Concord	113.01	.50	56.50	May 26, 1916
Union	Concord to Lowell	37.87	.50	18.93	May 26, 1916
		4,441.73		\$2,248.56	

TABLE No. 8.
STREET CROSSINGS—(Repairs)—Robie Consolidated Concrete Company, Contractors.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Chestnut, east side.....	At Myrtle south back	16.53	\$0.35	\$5.79	Oct. 31, 1916
Hall, east side.....	At Manchester	12.44	.50	6.22	Aug. 4, 1916
Harrison, north side.....	At Union east back.....	15.56	.50	7.78	Aug. 4, 1916
Manchester, north side.....	At Hall	6.42	.50	3.21	Aug. 4, 1916
Putnam, west side.....	At Main	4.00	.50	2.00	June 1, 1916
		54.95		\$25.00	

TABLE No. 10.

SUMMARY OF TABLES Nos. 1, 2, 3, 4, 5, 6, 7, 8, and 9.

Table No.	Sidewalks, Repairs.		Sidewalks, New.		Street Paving, Repairs.		Street Paving, New.		Street Crossings, Repairs.	
	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.
1	1,376.25	\$593.28	.....	.....	.....	.....	.....	.....	.....	.....
2	1,258.03	\$754.80	.....	.....	.....	.....	.....	.....
3	5,457.63	3,274.52	.....	.....	.....	.....	.....	.....
4	777.09	1,165.63	.....	.....	.....	.....	.....	.....
5	590.15	\$639.25	.....	.....	.....	.....
6	198.82	99.41	.....	.....	.....	.....
7	4,441.73	2,248.56	.....	.....	.....	.....
8	54.95	\$25.00
9	17,975.78	\$45,030.63	.....	.....
Totals	1,376.25	\$593.28	7,492.75	\$5,194.95	5,230.70	\$2,987.22	17,975.78	\$45,030.63	54.95	\$25.00

TABLE No. 11.
HIGHWAYS LAID OUT BY THE BOARD OF MAYOR AND ALDERMEN DURING THE YEAR 1916.

Location.	Limits.	Length.	Width.	Date of Petition.	Petition of.	Laid out.
Brockton	Brock to Forest.....	492.62	40	Nov. 10, 1915	Max Schwotzer.....	Sept. 29, 1916
Calef road	Elm avenue to Elm street...	740.01	50	June 6, 1916	C. D. Barnard.....	July 11, 1916
Central	Kenney, easterly.....	195.07	40	Aug. 10, 1916	Joseph P. Kenney.....	Sept. 29, 1916
Cove lane	West Valley to Cove.....	460.00	15	Nov. 21, 1916	C. D. Barnard.....	Dec. 22, 1916
Hayward	Hall to Belmont.....	353.58	50	July 11, 1916	Albert Groux.....	Sept. 29, 1916
Kenney	Lake avenue to Central.....	250.00	50	Aug. 10, 1916	Joseph P. Kenney.....	Sept. 29, 1916
Londonderry	Hall to Belmont.....	314.65	50	Aug. 4, 1915	Wilbrod Trudel.....	Sept. 29, 1916
Reed	Kelley, northerly.....	200.00	50	Oct. 15, 1915	Emile Honle.....	Apr. 28, 1916
Rimmon east back.....	Putnam to Wayne.....	500.00	20	Nov. 30, 1915	Caroline Letendre.....	Apr. 28, 1916
Shirley Hill road.....	Mast road to Rockland ave.	640.00	66	Oct. 28, 1915	Bernhard Wolf.....	Aug. 15, 1916
Summer	Elm to Willow.....	220.00	50	July 25, 1916	Daniels-Cornell.....	Sept. 29, 1916
Union	Titus avenue to Norfolk....	220.00	50	Mar. 23, 1916	Harry E. Blake.....	July 28, 1916
		4,585.93				

TABLE No. 12.
HIGHWAY GRADES ORDERED ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN DURING THE
YEAR 1916.

Location.	Limits.	Length.	Width.	Petition of.	Date of Petition.	Ordered Passed.
Bridge street extension....	Candia road westerly.....	430.54	66	Levi J. Proctor.....	June 9, 1916	Oct. 27, 1916
Brockton	Brock to Forest.....	492.62	40	Max Schwotzer.....	Nov. 10, 1915	Sept. 29, 1916
Calef road	Elm avenue to Elm street..	740.01	50	C. D. Barnard.....	June 6, 1916	July 11, 1916
Central	Kenney, easterly.....	195.07	40	Joseph P. Kenney.....	Aug. 10, 1916	Sept. 29, 1916
Cove lane.....	West Valley to Cove.....	460.00	15	C. D. Barnard.....	Nov. 21, 1916	Dec. 22, 1916
Coolidge avenue.....	Main to Kelley.....	825.78	60	Eugene Quirin.....	May 10, 1916	Aug. 15, 1916
Hayward	Hall to Belmont.....	353.58	50	Albert Groux.....	July 11, 1916	Sept. 29, 1916
Highland	Amherst to Lowell.....	860.00	50	Harry S. Foster.....	June 9, 1916	Sept. 29, 1916
Kenney	Lake avenue to Central.....	250.00	50	Joseph P. Kenney.....	Aug. 10, 1916	Sept. 29, 1916
Londonderry	Hall to Belmont.....	314.65	50	Willbrod Trudel.....	Aug. 4, 1915	Sept. 29, 1916
Reed	Kelley, northerly.....	200.00	50	Emile Houle.....	Oct. 15, 1915	Apr. 28, 1916
Rimmon east back.....	Putnam to Wayne.....	500.00	20	Caroline Letendre.....	Nov. 30, 1915	Apr. 28, 1916
Shirley Hill road.....	Mast road to Rockland ave..	640.00	66	Bernhard Wolf.....	Oct. 28, 1915	Aug. 15, 1916
Summer	Elm to Willow.....	220.00	50	Daniels-Cornell.....	July 25, 1916	Sept. 29, 1916
Union	Titus avenue to Norfolk....	220.00	50	Harry E. Blake.....	Mar. 23, 1916	July 28, 1916
		6,702.25				

TABLE No. 13.
HIGHWAY GRADES ORDERED CHANGED AND ESTABLISHED BY THE BOARD OF MAYOR AND ALDER-
MEN DURING THE YEAR 1916.

Location.	Limits.	Length.	Width.	Petition of.	Date of Petition.	Ordered changed.
Douglas	Main to West.....	430	40	Gustav Wenzel.....	Aug. 20, 1915	June 30, 1916
Elm	Merrill, southerly.....	1,270	100	C. D. Barnard.....	June 6, 1916	Nov. 14, 1916
Main	Conant to Douglas.....	310	50	Gustav Wenzel.....	Aug. 20, 1915	June 30, 1916
Main	Granite to Douglas.....	380	50-75	Gustav Wenzel.....	Aug. 20, 1915	June 30, 1916
Shasta	Union to Beech.....	490	50	Timothy McKenna.....	Oct. 8, 1913	May 24, 1916
		2,880				

TABLE No. 14.

HIGHWAYS DISCONTINUED BY THE BOARD OF MAYOR AND ALDERMEN DURING THE YEAR 1916.

Location.	Limits.	Distance.	Width.	Petition of.	Date of Petition.	Discontinued.
Calef road	Elm street, southeasterly to Calef road.....	650	50	C. D. Barnard	June 6, 1916	July 11, 1916
Cartier street	North of Adams, nor- therly	293.14	50	H. R. Armstrong.....	July 14, 1916	Sept. 29, 1916
		943.14				

TABLE No. 15.

HIGHWAYS WIDENED AND STRAIGHTENED BY THE BOARD OF MAYOR AND ALDERMEN DURING
THE YEAR 1916.

Location.	Limits.	Distance.	Width.	Petition of.	Date of Petition.	Laid out.
Bridge street extension	Candia road, westerly	430.54	66	Levi J. Proctor.....	June 9, 1916	Oct. 27, 1916
Coolidge avenue	430.54 feet	825.78	60	Eugene Quirin	May 10, 1916	Aug. 15, 1916
	Main to Kelley	1,256.32				

TABLE No. 16.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1916.

Location.	Limits.	Distance.	Date of Order.	Built during 1916.		Not needed.	Not built.
				Distance.	Excess.	Distance.	Distance.
Adams, North	North of Clarke to Carpenter.	897	Sept. 21, 1915	...	...	...	897
Adams, North	Carpenter to Trenton.	268	Dec. 19, 1902	...	...	...	268
Agawam	River road to Davis.	74	Dec. 6, 1910	...	...	...	74
Alsace	Brener, northerly	350	May 7, 1912	190	...	...	160
Answoth avenue	Hayward to Young	155	May 2, 1893	...	...	...	155
Albert	Harrison to Brook	266	Jan. 23, 1906	...	...	...	366
Amherst	Union to Ashland	2,600	May 31, 1905	...	...	...	2,600
Amory	Alsace to Joliette	60	Oct. 7, 1902	...	...	...	60
Auburn	Congress to Kimball	248	Dec. 6, 1910	...	...	...	248
Auburn south back	Cypress, easterly	300	May 2, 1899	...	...	...	300
Babel	Hall, easterly	150	Jan. 7, 1896	...	...	...	150
Bartlett	Bismarck to Forest	77	June 3, 1913	...	...	...	77
Batchelder avenue	Sullivan, southerly	127	Mar. 6, 1906	...	...	...	127
Bay	Hayward to Harvard	452	Apr. 21, 1914	...	...	...	452
Beacon	Clarke to Carpenter	139	Apr. 14, 1903	...	...	...	139
Beech	Concord to Lowell	161	Dec. 6, 1910	...	...	...	161
Beech	Shasta to Willow	825	May 7, 1912	...	...	...	825
Beech	Somerville to Shasta	192	Nov. 23, 1906	...	...	...	192
Beech	Bridge to Orange	573	Dec. 6, 1906	...	...	...	573
Bell	Salmon to North	525	Dec. 3, 1912	...	...	...	525
Bell	Wentworth to Second	560	June 3, 1913	...	...	...	560
Belmont	Second to Hale	295	Aug. 14, 1911	...	...	...	295
Blaine	Old Bridge to Bridge	200	Jan. 7, 1896	...	...	...	200
Blaine	Second to Hiram	228	Dec. 6, 1892	...	...	...	228
Blaine	Second to Third	107	May 2, 1905	...	...	...	107
Boutwell	Kelley, southerly	18	Nov. 7, 1911	...	...	...	18
Boutwell	Kelley, northerly	400	Nov. 7, 1911	...	...	...	400
Bowman	Mast to Milford	455	Oct. 7, 1902	...	...	...	455
Boynton	Bank to Allen	539	May 7, 1912	...	...	...	539
Brener	Road to Alsace	110	Nov. 4, 1913	...	...	...	110
Brook	Milford, northerly	75	Nov. 19, 1912	...	...	...	75
Brook	Maple to Oak	155	June 2, 1907	...	...	...	155

Burgess	East High to Lowell	130	Nov.	19,	1912	...	...	...	130
Byron	Brown avenue to Josselyn	225	Sept.	27,	1909	...	...	...	225
Candia road	Mammoth road to Revere avenue	593	Sept.	21,	1915	...	...	...	181
Carlier east back	South of Sullivan, southerly	50	July	16,	1896	...	67	...	...
Cedar south back	Beech, westerly	175	May	5,	1896	...	...	...	...
Central	Maple to Lincoln	96	May	13,	1903	...	...	...	...
Chestnut	Milton to Beacon	307	Sept.	6,	1898	...	...	...	307
Cliley road	Carpenter to Trenton	147	Oct.	7,	1902	...	...	...	147
Cliley road	East of Hall to Belmont	108	Sept.	21,	1915	...	...	...	108
Clarke	Taylor, easterly 225 feet	29	Apr.	3,	1913	...	...	...	29
Clay	Elm to Chestnut	290	Apr.	14,	1903	...	...	...	290
Clay	Union to Beech	492	Nov.	27,	1908	...	...	...	492
Clay	Lincoln to Wilson	232	July	21,	1908	...	...	...	232
Clay	Taylor to Cypress	246	July	21,	1908	...	...	...	246
Colby	West Hancock to Log.	270	June	12,	1896	...	...	...	270
Concord	Pine east back to Union	91	Sept.	12,	1899	...	...	...	91
Concord	Dutton, westerly	97	Feb.	2,	1904	...	...	...	97
Concord	Hall, easterly	86	Sept.	6,	1887	...	...	...	86
Concord	Weston to Hubbard	101	Sept.	27,	1905	...	...	...	101
Congress	Amory, southerly	46	Feb.	14,	1912	...	...	...	46
Coolidge avenue	Rimmon, southerly 780 feet	780	Mar.	18,	1913	...	...	...	780
Cumberland	Monitor, southerly 100 feet	58	Apr.	21,	1914	...	...	...	58
Cypress	Clay to Somerville	325	May	7,	1912	...	...	...	325
D	Mast, westerly	52	July	16,	1912	...	...	...	52
Dartmouth	Woodbury, southerly 426 feet	426	May	5,	1914	...	...	...	426
Dix	Maple to Lincoln	97	Aug.	14,	1911	...	...	...	97
Dix	Lincoln to Wilson	670	Dec.	6,	1910	...	...	...	670
Dix	Wilson to Hall	89	Sept.	27,	1905	...	...	...	89
Dix	Taylor to Cypress	442	July	15,	1904	...	...	...	442
Dix	Clinton, northerly	160	Sept.	4,	1894	...	...	...	160
Dutton	Concord, easterly	300	Feb.	2,	1904	...	...	...	300
Elm	Railroad bridge to Elm avenue	1,285	May	6,	1890	...	...	...	1,285
Elm	Monroe south back to Clarke	599	June	4,	1895	...	...	...	599
Elm	Trenton to Lowell	448	Feb.	4,	1896	...	...	...	448
Erie	South Main, westerly 400 feet	400	May	29,	1914	...	...	...	400
Forster avenue	Valley to Hayward	140	July	14,	1896	...	...	...	140
Front	Eddy to north of Hotel	2,325	Sept.	5,	1893	...	...	...	2,325
Gates	Dubuque, westerly	135	July	16,	1912	...	...	...	135
George	North of Milford to Charleston avenue	32	Oct.	7,	1902	...	...	...	32
Grove	West of Willow to Willow	103	Sept.	21,	1915	...	...	...	103
Grove south back	Wilson, easterly	200	Nov.	2,	1897	...	...	...	200
Hall	Clay to Dix	250	Dec.	19,	1902	...	...	...	250
Hall	Lowell to East High	143	July	25,	1902	...	...	...	143
Hall road	Massabesic to Nelson	601	Aug.	5,	1898	...	...	...	601
Hale	Schiller, southerly	450	Nov.	9,	1894	...	...	...	450
Harrison	Linden, easterly	52	Nov.	23,	1906	...	...	...	52

TABLE No. 16—Continued.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1916—Continued.

Street.	Limits.	Distance.	Date of Order.	Built during 1916.		Not needed.	Not built.
				Distance.	Excess.	Distance.	Distance.
Harrison	East of Linden to Hall	477	Oct. 3, 1899	...	...	...	477
Harrison	Maple to Oak	350	Dec. 6, 1910	...	...	...	350
Harrison	Belmont, westerly	65	Sept. 1, 1896	...	...	...	65
Harvard	Lincoln to Wilson	420	Dec. 6, 1910	...	...	...	420
Harvell	Hale to South Main	700	Nov. 9, 1894	...	...	...	700
Hayward	East of Union to Beech	355	July 16, 1912	225	...	130	...
Hayward	Beech to Maple	142	Dec. 6, 1910	...	...	...	142
Hayward	Amsworth avenue to Cypress	148	Sept. 7, 1897	...	...	...	148
Hayward	Porter to Riley avenue	652	May 29, 1914	...	...	...	652
Hayward	South of Amory to Columbus avenue ..	396	July 10, 1892	...	...	...	396
Hevey east back ..	Weston to Highland	288	Nov. 4, 1913	...	...	...	288
High, East	Lowell to East High	74	Aug. 14, 1911	...	...	...	74
Highland	Wilkins to Fogg avenue	360	June 3, 1913	...	...	...	360
Hilton	Hanover to Amherst	368	Nov. 4, 1913	...	...	...	368
Hesley	Grove to Summer	116	June 26, 1903	...	...	...	116
Hospital avenue ..	Chase avenue to Massabesic	142	Sept. 14, 1904	...	...	...	142
Hubbard	North of Amherst, northerly	200	Nov. 19, 1912	...	...	...	200
Huntress	Prince to McDuffie	163	Nov. 3, 1903	...	...	...	163
Huntress	McDuffie to Bank	174	Dec. 6, 1910	...	...	...	174
Jollette	North of Kelley northerly	53	May 7, 1912	...	...	...	53
Jones	Nelson to Benton	285	Aug. 5, 1893	...	...	...	285
Knowlton	Hayward, southerly	67	Nov. 23, 1906	67	...	...	663
Lafayette	Amory to Kelley	615	Sept. 21, 1915	...	...	...	615
Laval	Kelley, northerly	248	Nov. 7, 1911	...	...	...	248
Lincoln	Silver to Clay	814	July 21, 1908	...	...	...	814
Litchfield Jane ..	Chestnut to Union	908	July 9, 1901	...	...	...	...
Main, South	A to McDuffie	633	Sept. 21, 1915	915	7	...	633
Mammoth road ..	No. 155 to Young	32	Nov. 27, 1908	...	...	...	32
Mammoth road ..	Massabesic to Nelson	500	May 2, 1899	...	...	...	500
Mammoth road ..	Nelson, northerly	1,280	Aug. 5, 1898	...	...	...	1,280
Mammoth road ..	North of Nelson to Hanover	366	June 26, 1911	...	...	...	1,280
Manning	Hall to Belmont	366	Sept. 21, 1915	98	...	...	268

Maple	Prospect to Harrison.....	99	Oct.	19, 1905	...	...	...
Massabesic	Hall road to Mammoth road.....	831	Mar.	2, 1899	...	...	99
Mass	Brook to Warner	660	June	3, 1913	...	...	831
Merrill	Jewett, easterly	34	June	5, 1900	...	...	660
Montgomery east back	Woodman, westerly 300 feet.....	100	Nov.	4, 1913	...	...	34
Morgan	Kelley to Brener	150	Dec.	31, 1901	...	...	100
Mystic avenue	Amory to Kelley	700	June	3, 1913	...	...	150
Oakland avenue	Candia road to Longwood avenue.....	221	May	5, 1914	...	...	700
Pine	Revere Avenue to Woodland avenue.....	1,070	Dec.	13, 1905	29	...	132
Pine east back	Silver to Plummer.....	320	Oct.	3, 1899	...	...	1,070
Prescott	Maple, easterly	134	Feb.	14, 1912	...	...	320
Prescott	Hall, easterly	80	June	26, 1903	...	...	134
Prospect	Hall, westerly	100	Oct.	1, 1907	...	...	21
Putnam	Cumberland, easterly 286 feet.....	286	Sept.	3, 1895	...	...	80
Railroad	No. of Whittemore Ave, southerly 600 ft.	176	May	29, 1914	...	...	179
Ray	Carpenter to Trenton	76	Sept.	21, 1915	...	...	...
Reed	Kelley, northerly 185 feet.....	185	Sept.	18, 1911	...	...	76
Reed	Brener to Mason	800	Sept.	21, 1915	208	...	...
Reed east back	Kelley to Brener.....	455	Feb.	14, 1912	...	...	800
Riley avenue	South of Hayward, southerly 150 feet.....	75	Aug.	3, 1909	75	...	455
Rimmon	Kelley to Mason	164	Aug.	6, 1901	...	...	164
Rimmon east back	Chestnut to Pine.....	800	Sept.	7, 1897	...	...	800
Sagamore	Beech to Ash.....	294	July	31, 1903	...	...	294
Salmon	Hale to South Main	126	Sept.	7, 1909	...	...	126
Schiller	Bell, southerly	604	Nov.	10, 1896	...	...	604
Second	Maple to Lincoln	60	Aug.	14, 1911	...	...	60
Shasta	Lincoln, easterly 200 feet.....	214	Dec.	6, 1910	...	...	214
Somerville	Union to Maple	200	Nov.	4, 1913	...	...	200
Somerville	Hall to west of Cypress.....	165	Aug.	2, 1898	...	...	165
Somerville	Jewett, easterly 250 feet.....	184	Dec.	19, 1902	...	...	184
Spruce, East	Kenney, westerly	250	Aug.	3, 1909	...	...	250
Stevens	Baker, southerly	95	Apr.	2, 1907	...	...	95
Sullivan	Thornton, westerly 500 feet.....	178	Nov.	19, 1912	...	...	178
Summer	Hall to Belmont.....	146	June	7, 1910	...	...	146
Tannery brook	Merrimack river to Calef road.....	247	June	27, 1910	...	...	247
Taylor	South of Valley, southerly	3,700	Apr.	21, 1914	...	...	3,700
Thornton	Holly avenue to Vinton.....	75	Oct.	2, 1900	...	...	75
Thornton	Wayne to Putnam.....	457	Sept.	21, 1915	...	...	457
Union	Clarke to Trenton.....	155	Mar.	6, 1906	...	...	155
Union	Trenton, northerly	180	July	2, 1895	...	...	180
Union east back	South of Christian brook, southerly	401	Oct.	7, 1902	...	...	401
Valley	Cypress, westerly	50	Aug.	6, 1895	...	...	50
Valley	Elm to Wilson	133	Jan.	4, 1897	...	...	133
Valley	East of Jewett to Massabesic.....	2,396	Nov.	7, 1893	...	...	2,396
		305	Nov.	7, 1911	...	...	305

TABLE No. 16—*Concluded.*
SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1916—*Concluded.*

Location.	Limits.	Distance.	Date of Order.	Built during 1916.		Not needed.	Not built.
				Distance.	Excess.	Distance.	Distance.
Vinton	Taylor, easterly 800 feet.....	800	Sept. 21, 1915	...	...	...	800
Vinton	Taylor, westerly 200 feet.....	200	Sept. 21, 1915	...	...	...	200
Walnut	Salmon, southerly	17	Jan. 29, 1897	...	...	...	17
Walnut	Webster, northerly	46	July 31, 1903	...	...	...	46
Walnut east back...	Salmon, northerly	88	Nov. 10, 1896	...	...	...	88
Warner	Mast, northerly 950 feet.....	950	June 1, 1913	...	...	...	950
Warner	Wilkins, southerly 150 feet.....	24	Aug. 3, 1909	...	...	...	24
Wayland avenue ..	Mammoth road to Revere avenue.....	410	Sept. 17, 1912	...	...	...	410
Wayton	Bridge to Lowell.....	687	Dec. 6, 1910	...	...	...	687
William	Milford to Mast	522	Oct. 3, 1899	...	...	...	522
Willow	Summer to Grove	540	Sept. 21, 1915	...	...	...	540
Woodbine avenue...	Oakland avenue to Glenwood avenue...	274	June 17, 1913	292	18	...	341
Woodbine avenue...	Longwood avenue to Candia road.....	341	June 26, 1911	...	...	...	341
Youville	Kelley, northerly 200 feet.....	92	Aug. 15, 1910	...	...	...	92
		59,721		2,907	294	130	56,978

TABLE No. 17.
SEWERS ORDERED IN DURING THE YEAR 1916.

Location.	Limits.	Distance.	Date of order.	Built during 1916.		Not needed.	Not built.
				Distance.	Excess.		
Beech	Grove south back to Bell south back	274	Nov. 21, 1916	274	....	....	....
Beech east back.....	Salmon to North.....	525	Apr. 18, 1916	348	....	....	177
Blaine	East of South Main, westerly.....	150	Dec. 19, 1916	....	....	....	150
Candia road.....	Orchard avenue to Woodland avenue	516	June 20, 1916	360	....	....	156
Candia road.....	Woodbine avenue to Orchard avenue	253	Sept. 19, 1916	83	....	....	170
Cartier east back.....	South of Sullivan, southerly.....	75	Apr. 18, 1916	125	50	....	....
Cilley road.....	Belmont to Taylor.....	606	June 20, 1916	....	....	....	606
Clifford avenue.....	Massabesic southerly.....	150	July 18, 1916	200	50	....	....
Fenton	Sylvester to Clement.....	434	July 18, 1916	....	....	....	434
Goffstown road.....	Present terminus westerly 175 feet..	175	Dec. 19, 1916	....	....	....	175
Grove south back...	West of Beech to Beech.....	46	Nov. 21, 1916	46	....	....	....
Harvard	Hall to Belmont.....	355	Sept. 19, 1916	142	....	....	213
Hevey	Mason southerly.....	220	Dec. 20, 1916	....	....	....	220
Kelley	Morgan to Kimball.....	500	June 19, 1916	....	....	....	500
Kenney	Lake avenue to Central.....	268	Dec. 19, 1916	....	....	....	268
Kimball	Amory to Kelley.....	765	June 20, 1916	....	....	....	765
Longwood avenue...	Mammoth road to Revere avenue...	630	Oct. 17, 1916	....	....	....	630
Malvern	Lowell to East High.....	411	Oct. 17, 1916	....	....	....	411
Maxwell	Goffstown road southerly.....	125	Oct. 17, 1916	....	....	....	125
North	Beech to Beech east back.....	126	Apr. 18, 1916	126	....	....	....
Ray	North of Clarke to Carpenter.....	830	Sept. 19, 1916	162	....	....	668
Riley avenue.....	South of Hayward to Young.....	400	Apr. 18, 1916	46	....	....	354
Silver	Belmont to Taylor.....	602	July 18, 1916	368	....	....	234
Sylvester	Avon to Mast.....	865	Aug. 15, 1916	....	....	....	865
Tannery brook.....	Merrimack River to Calef road.....	3,700	June 20, 1916	....	....	....	3,700
Taylor	Cilley road to Manning.....	243	June 20, 1916	....	....	....	243
Union	Stark avenue northerly.....	300	June 20, 1916	....	....	....	300
Willow	North of Stark avenue, 350 ft. north	350	June 20, 1916	....	....	....	350
Young	South of Baker to Martin.....	426	Oct. 17, 1916	....	....	....	426
	Belmont to Taylor.....	610	Dec. 19, 1916	....	....	....	610
		14,930		2,280	100	....	12,750

TABLE No. 18.

SEWERS BUILT IN 1916 WITHOUT AN ORDER.

Location.	Limits.	Distance.
Alfred*	North of Hanover, northerly.....	48
Beech east back**.....	Brook, southerly	48
Belmont	East High, southerly.....	98
Cartier east back†.....	South of Sullivan, southerly.....	50
Clifford avenue.....	South of Massabesic, southerly.....	50
Goffstown road.....	East of Taggart, easterly.....	843
Knowlton	South of Hayward to Johnson.....	158
Main, South	McDuffie to A.....	7
Merrimack south back‡.....	Pine, easterly	250
Nicolet lane.....	McGregor, westerly	201
Orange‡	Union, easterly	115
Pine east back‡.....	Summer south back to Green.....	89
Prospect	Hall, easterly	179
Reed	Kelley, northerly	23
River road‡.....	South of Rowell, northerly.....	818
Summer south back‡....	Pine east back to Union.....	185
Woodbine avenue.....	South of Glenwood avenue to Oakland avenue	18
		<hr/> 3,180

*On account of grading street.

**For cesspool.

†Part relaid.

‡Relaid.

TABLE No. 19.
PIPE REMOVED WHERE SEWERS HAVE BEEN RELAID.

Location.	Limits.	Pipe removed.			Pipe laid.		
		Material.	Size in inches.	Length in feet.	Material.	Size in inches.	Length in feet.
Cartier east back.....	South of Sullivan, southerly.....	Akron	10	8	Akron	10	8
Merrimack south back.....	Pine, easterly	Akron	12	250	Akron	12	250
Orange	Union, easterly	Cement	12	115	Akron	12	115
Pine east back.....	Summer south back to Green....	Akron	10	89	Akron	10	89
River road	South of Rowell, northerly.....	Akron	8	150	Akron	8	150
Summer south back.....	Pine east back to Union.....	Akron	10	185	Akron	10	185
				<u>797</u>			<u>797</u>

TABLE No. 20.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY
1, 1917.

Location.	Limits.	Distance.	Date of Order.
Adams, North.....	North of Clarke to Carpenter....	897	Sept. 21, 1915
Adams, North.....	Carpenter to Trenton.....	268	Dec. 19, 1902
Agawam	River road to Davis.....	74	Dec. 6, 1910
Ainsworth avenue..	Hayward to Young.....	155	May 2, 1893
Albert	Harrison to Brook.....	366	Jan. 23, 1906
Alsace	Bremer, northerly.....	160	May 7, 1912
Amherst	Union to Ashland.....	2,600	May 31, 1905
Amory	Alsace to Joliette.....	60	Oct. 7, 1902
Amory	Congress to Kimball.....	248	Dec. 6, 1910
Auburn	Cypress, easterly.....	300	May 2, 1899
Auburn south back.	Hall, easterly.....	150	Jan. 7, 1896
Babel	Bismarck to Forest.....	77	June 3, 1913
Bartlett	Sullivan, southerly.....	127	Mar. 6, 1906
Batchelder avenue..	Hayward to Harvard.....	452	Apr. 21, 1914
Bay	Clarke to Carpenter.....	139	Apr. 14, 1903
Beacon	Concord to Lowell.....	161	Dec. 6, 1910
Beech	Shasta to Willow.....	825	May 7, 1912
Beech	Somerville to Shasta.....	192	Nov. 23, 1906
Beech	Bridge to Orange.....	573	Dec. 6, 1906
Beech	Salmon to North.....	525	Dec. 3, 1912
Beech east back....	Salmon to North.....	525	Apr. 18, 1916
Bell	Wentworth to Second.....	560	June 3, 1913
Bell	Second to Hale.....	295	Aug. 14, 1911
Belmont	Old Bridge to Bridge.....	200	Jan. 7, 1896
Blaine	Second to Hiram.....	228	Dec. 6, 1892
Blaine	Second to Third.....	107	May 2, 1905
Blaine	East of South Main, westerly....	150	Dec. 19, 1916
Boutwell	Kelley, southerly.....	18	Nov. 7, 1911
Boutwell	Kelley, northerly.....	400	Nov. 7, 1911
Bowman	Mast to Milford.....	455	Oct. 7, 1902
Boynton	Bank to Allen.....	539	May 7, 1912
Bremer	Reed to Alsace.....	110	Nov. 4, 1913
Brock	Milford, northerly.....	75	Nov. 19, 1912
Brook	Maple to Oak.....	155	June 2, 1907
Burgess	East High to Lowell.....	130	Nov. 19, 1912
Byron	Brown avenue to Josselyn.....	225	Sept. 27, 1909
Candia road.....	Mammoth road to Revere avenue..	181	Sept. 21, 1915
Candia road.....	Woodbine avenue to Orchard ave.	253	Sept. 19, 1916
Candia road.....	Orchard avenue to Woodland ave.	516	June 20, 1916
Cedar south back..	Beech, westerly.....	175	May 5, 1896
Cedar south back..	Maple to Lincoln.....	96	May 13, 1903
Central	Milton to Beacon.....	307	Sept. 6, 1898
Chestnut	Carpenter to Trenton.....	147	Oct. 7, 1902
Cilley road.....	East of Hall to Belmont.....	108	Sept. 21, 1915
Cilley road.....	Belmont to Taylor.....	606	June 20, 1916
Cilley road.....	Taylor, easterly 225 feet.....	29	June 3, 1913
Clarke	Elm to Chestnut.....	290	Apr. 14, 1903
Clay	Union to Beech.....	492	Nov. 27, 1908
Clay	Lincoln to Wilson.....	232	July 21, 1908
Clay	Taylor to Cypress.....	246	July 21, 1908
Colby	West Hancock to Log.....	270	June 12, 1906
Concord	Pine east back to Union.....	91	Sept. 12, 1899
Concord	Dutton, westerly.....	97	Feb. 2, 1904
Concord	Hall, easterly.....	86	Sept. 6, 1887
Concord	Weston to Hubbard.....	101	Sept. 27, 1905
Congress	Amory, southerly.....	46	Feb. 14, 1912
Coollidge avenue....	Rimmon, southerly 780 feet.....	780	Mar. 18, 1913
Cumberland	Monitor, southerly 100 feet.....	58	Apr. 21, 1914
Cypress	Clay to Somerville.....	325	May 7, 1912
D	Mast, westerly.....	52	July 16, 1912
Dartmouth	Woodbury, southerly 426 feet....	426	May 5, 1914
Dix	Maple to Lincoln.....	97	Aug. 14, 1911

TABLE No. 20—Continued.

Location.	Limits.	Distance.	Date of
Dix	Lincoln to Wilson.....	670	Dec. 6, 1910
Dix	Wilson to Hall.....	89	Sept. 27, 1905
Dix	Taylor to Cypress.....	442	July 15, 1904
Dover	Clinton, northerly	160	Sept. 4, 1894
Dutton	Concord, easterly.....	300	Feb. 2, 1904
Elm	Railroad bridge to Elm avenue..	1,285	May 6, 1890
Elm	Monroe south back to Clarke....	599	June 4, 1895
Elm	Trenton to Rowell.....	448	Feb. 4, 1896
Erie	South Main, westerly 400 feet...	400	May 29, 1914
Fenton	Sylvester to Clement.....	434	July 18, 1916
Foster avenue.....	Valley to Hayward.....	140	July 14, 1896
Front	Eddy to north of hotel.....	2,325	Sept. 5, 1893
Gates	Dubuque, westerly.....	135	July 16, 1912
George	No. of Milford to Charleston ave.	32	Oct. 7, 1902
Goffstown road....	Present terminus, westerly.....	175	Dec. 19, 1916
Grove	West of Willow to Willow.....	103	Sept. 21, 1915
Grove south back..	Wilson, easterly.....	200	Nov. 2, 1897
Hall	Clay to Dix.....	250	Dec. 19, 1902
Hall	Lowell to East High.....	143	July 25, 1902
Hall road.....	Massabesic to Nelson.....	601	Aug. 5, 1898
Hale	Schiller, southerly.....	450	Nov. 9, 1894
Harrison	Linden, easterly.....	52	Nov. 23, 1906
Harrison	East of Linden to Hall.....	477	Oct. 3, 1899
Harrison	Maple to Oak.....	350	Dec. 6, 1910
Harrison	Belmont, westerly.....	65	Sept. 1, 1896
Harvard	Lincoln to Wilson.....	420	Dec. 6, 1910
Harvard	Hall to Belmont.....	355	Sept. 19, 1916
Harvell	Hale to South Main.....	700	Nov. 9, 1894
Hayward	Beech to Maple.....	142	Dec. 6, 1910
Hayward	Ainsworth avenue to Cypress....	148	Sept. 7, 1897
Hayward	Porter to Riley avenue.....	652	May 29, 1914
Hevey	Mason, southerly.....	220	Dec. 19, 1916
Hevey east back...	So. of Amory to Columbus avenue	396	July 10, 1892
High, East.....	Weston to Highland.....	288	Nov. 4, 1913
Highland	Lowell to East High.....	74	Aug. 14, 1911
Highland avenue...	Wilkins to Fogg avenue.....	360	June 3, 1913
Hilton	Hanover to Amherst.....	368	Nov. 4, 1913
Hosley	Grove to Summer.....	116	June 26, 1903
Hospital avenue...	Chase avenue to Massabesic.....	142	Sept. 14, 1904
Hubbard	North of Amherst, northerly....	200	Nov. 19, 1912
Huntress	Prince to McDuffie.....	163	Nov. 3, 1903
Huntress	McDuffie to Bank.....	174	Dec. 6, 1910
Jofette	North of Kelley, northerly.....	53	May 7, 1912
Jones	Nelson to Benton.....	285	Aug. 5, 1898
Kelley	Morgan to Kimball.....	500	June 20, 1916
Kenney	Lake avenue to Central.....	268	Dec. 19, 1916
Kimball	Amory to Kelley.....	765	June 20, 1916
Lafayette	Amory to Kelley.....	663	Sept. 21, 1915
Laval	Kelley, northerly.....	615	Nov. 7, 1911
Lincoln	Silver to Clay.....	248	July 21, 1908
Litchfield lane...	Chestnut to Union.....	814	July 8, 1901
Longwood avenue...	Mammoth road to Revere avenue	630	Oct. 17, 1916
Malvern	Lowell to East High.....	411	Oct. 17, 1916
Mammoth road....	No. 155 to Young.....	633	Nov. 27, 1908
Mammoth road....	Massabesic to Nelson.....	32	May 2, 1899
Mammoth road....	Nelson, northerly.....	500	Aug. 5, 1898
Mammoth road....	North of Nelson to Hanover....	1,280	June 26, 1911
Manning	Hall to Belmont.....	268	Sept. 21, 1915
Maple	Prospect to Harrison.....	99	Oct. 19, 1905
Massabesic	Hall road to Mammoth road....	831	Mar. 2, 1899
Mast	Brock to Warner.....	660	June 3, 1913
Maxwell	Goffstown road, southerly.....	125	Oct. 17, 1916
Merrill	Jewett, easterly.....	34	June 5, 1900
Merrill	Woodman, westerly 300 feet....	100	Nov. 4, 1913
Montgomery e. back	Kelley to Bremer.....	150	Dec. 31, 1901
Morgan	Amory to Kelley.....	700	June 3, 1913
Mystic avenue.....	Candia road to Longwood avenue	192	May 5, 1914
North	Beech to Beech east back.....	126	Apr. 18, 1916
Oakland avenue...	Revere avenue to Woodland ave.	1,070	Dec. 13, 1905
Pine	Silver to Plummer.....	320	Oct. 3, 1899
Pine east back....	Bell south back to Valley.....	134	Feb. 14, 1912
Prescott	Maple, easterly.....	21	June 26, 1903

TABLE No. 20—*Concluded.*

Location.	Limits.	Distance.	Date of
Prescott	Hall, westerly.....	80	Oct. 1, 1907
Putnam	Cumberland, easterly 286 feet...	286	May 29, 1914
Railroad	North of Whittemore avenue, southerly 600 feet.....	176	Sept. 21, 1915
Ray	North of Clarke to Carpenter....	830	Sept. 19, 1916
Ray	Carpenter to Trenton.....	76	Sept. 18, 1911
Reed	Bremer to Mason.....	800	Sept. 21, 1915
Reed east back....	Kelley to Bremer.....	455	Feb. 14, 1912
Riley avenue.....	South of Hayward to Young.....	400	Apr. 18, 1916
Rimmon	South of Wayne to Putnam.....	164	Aug. 6, 1901
Rimmon east back..	Kelley to Mason.....	800	Sept. 7, 1897
Sagamore	Chestnut to Pine.....	294	July 31, 1903
Salmon	Beech to Ash.....	126	Sept. 7, 1909
Schiller	Hale to South Main.....	604	Nov. 10, 1896
Second	Bell, southerly.....	60	Aug. 14, 1911
Shasta	Maple to Lincoln.....	214	Dec. 6, 1910
Shasta	Lincoln, easterly 200 feet.....	200	Nov. 4, 1913
Silver	Belmont to Taylor.....	602	July 18, 1916
Somerville	Union to Maple.....	165	Aug. 2, 1898
Somerville	Hall to west of Cypress.....	184	Dec. 19, 1902
Somerville	Jewett, easterly 250 feet.....	250	Aug. 3, 1909
Spruce, East.....	Kenney, westerly.....	95	Apr. 2, 1907
Stevens	Baker, southerly.....	178	Nov. 19, 1912
Sullivan	Thornton, westerly 500 feet.....	146	June 7, 1910
Summer	Hall to Belmont.....	247	June 27, 1910
Sylvester	Avon to Mast.....	865	July 18, 1916
Tannery brook	Merrimack river to Calef road....	3,700	Apr. 21, 1914
Tannery brook	Merrimack river to Calef road....	3,700	Aug. 15, 1915
Taylor	South of Valley, southerly.....	75	Oct. 2, 1900
Taylor	Cilley road to Manning.....	243	June 20, 1916
Taylor	Holly avenue to Vinton.....	457	Sept. 21, 1915
Thornton	Wayne to Putnam.....	155	Mar. 6, 1906
Union	Clarke to Trenton.....	180	July 2, 1895
Union	Trenton, northerly.....	401	Oct. 7, 1902
Union	Stark avenue, northerly.....	300	June 20, 1916
Union	No. of Stark ave., 350 ft. northerly	350	June 20, 1916
Union east back....	So. of Christian brook, southerly	50	Aug. 6, 1895
Valley	Cypress, westerly.....	133	Jan. 4, 1897
Valley	Elm to Wilson.....	2,396	Nov. 7, 1893
Valley	East of Jewett to Massabesic....	305	Nov. 7, 1911
Vinton	Taylor, easterly 800 feet.....	800	Sept. 21, 1915
Vinton	Taylor, westerly 200 feet.....	200	Sept. 21, 1915
Walnut	Salmon, southerly.....	17	Jan. 29, 1897
Walnut	Webster, northerly.....	46	July 31, 1903
Walnut east back....	Salmon, northerly.....	88	Nov. 10, 1896
Warner	Mast, northerly 950 feet.....	950	June 17, 1913
Warner	Wlikins, southerly 150 feet.....	24	Aug. 3, 1909
Wayland avenue....	Mammoth road to Revere avenue	410	Sept. 17, 1912
Weston	Bridge to Lowell.....	687	Dec. 6, 1910
William	Milford to Mast.....	522	Oct. 3, 1899
Willow	Summer to Grove.....	540	Sept. 21, 1915
Willow, South.....	South of Baker to Martin.....	426	Oct. 17, 1916
Woodbine avenue....	Longwood avenue to Candia road	341	June 26, 1911
Young	Belmont to Taylor.....	610	Dec. 19, 1916
Youville	Kelley, northerly 200 feet.....	92	Aug. 15, 1910
		72,471	

TABLE No. 21.

SUMMARY.

Table No. 16, column 3 (ordered in to January 1, 1916).....	59,721	.....
Table No. 16, column 5 (built)	2,907	
Table No. 16, column 6 (built in excess of order).....	294	.....
Table No. 16, column 7 (not needed)		130
Table No. 16, column 8 (not built)		56,978
Table No. 17, column 3 (ordered in during 1916).....	14,930	.....
Table No. 17, column 5 (built)		2,280
Table No. 17, column 6 (built in excess of order).....	100	.....
Table No. 17, column 8 (not built)		12,750
	<hr/>	<hr/>
	75,045	75,045
Sewers built in 1916 of those ordered in to January first 1917 (feet).....		4,768
Sewers built in 1916 without orders (feet).....		2,358
Sewers relaid in 1916 without orders (feet).....		797
		<hr/>
Total length of sewers built in 1916 (feet).....		7,923

SEWERAGE SYSTEM.

Table No. 22 gives the location, material, size, length, manholes new, manholes removed, manholes rebuilt, lampholes new, lampholes removed, house connections and cesspools connections built during the year 1916.

Table No. 23 gives the material, size and length of all public sewers in the city of Manchester January 1st, 1917. This table gives the total length in feet of each size of sewer and the number of manholes on each size, also total length in feet and miles of each material.

Table No. 24 is a summary of the sewerage system by years from January 1st, 1880, to January 1st, 1917. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It is noted that on January 1st, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1st, 1890, there were recorded 2,003 house connections. Beginning with this date columns 4 and 5 give the number of connections recorded each year and the total number recorded to date each year.

TABLE No. 22.
SEWERS BUILT IN 1916.

Location.	Limits.	Material.	Size in inches.	Length in feet (new).	Length in feet (relaid).	Manholes (new).	Manholes (removed).	Manholes (rebuilt).	Lampholes (new).	Lampholes (removed).	House connections.	Cesspool connections.
Alfred	North of Hanover, northerly	Akron	10	48	..	1	..	..	..	..	1	..
Alsace	Bremer, northerly	Akron	10	190	..	1	..	..	..	..	1	..
Beech	Grove south back to Bell south back	Akron	10	274	..	1	..	..	..	..	7	..
Beech east back	Brook, southerly	Akron	10	48	..	1	..	..	..	..	7	..
Beech east back	North, southerly	Akron	10	348	..	2	..	..	..	..	10	..
Belmont	East High, southerly	Akron	8	98	..	..	..	..	..	..	1	..
Candia road	Mammoth road, easterly	Akron	12	412	..	3	..	..	..	..	8	..
Candia road	Woodbine avenue, easterly	Akron	10	83	..	..	..	..	..	..	4	..
Candia road	Davis avenue to Woodland avenue	Akron	10	360	..	4	..	..	..	..	4	..
Clifford avenue	South of Sullivan, southerly	Akron	10	117	8	2	1	..	..	1	11	..
Clifford avenue	Massabasic, southerly	Akron	10	200	..	2	..	..	..	..	4	..
Goffstown road	East of Taggart, westerly	Akron	20	397	..	3	..	..	..	..	8	..
Goffstown road	East of Taggart, westerly	Akron	12	214	..	1	..	..	..	..	10	..
Goffstown road	East of Taggart, westerly	Akron	10	232	..	1	..	..	..	..	9	..
Grove south back	Beech, westerly	Akron	10	46	..	1	..	..	..	..	..	..
Harvard	Hall, easterly	Akron	10	142	..	..	..	..	..	..	3	..
Hayward	Batchelder avenue, easterly	Akron	10	225	..	..	..	..	1	..	8	..
Knowlton	South of Hayward to Johnson	Akron	10	225	..	2	..	..	..	..	8	..
Main, South	McDuffie to A.	Akron	12	915	..	4	..	..	..	..	24	..
Manning	Hall, easterly	Akron	10	98	..	..	..	..	..	..	4	..
Merrimack south back	Pine, easterly	Akron	12	..	250	2	..	..	..	..	17	2
Mystic avenue	South of Glenwood Ave., southerly	Akron	12	29	..	..	..	..	..	..	4	..
Nicolet lane	McGregor, westerly	Akron	10	201	..	2	..	..	..	1	4	..
North	Beech to Beech east back	Akron	12	126	..	1	..	..	..	..	3	..
Orange	Union, easterly	Akron	12	..	115	1	..	..	..	..	1	..
Pine east back	Summer south back to Green	Akron	12	..	89	..	..	1	..	..	..	..
Prospect	Hall, easterly	Akron	10	279	..	1	..	..	..	..	9	..
Ray	North of Clarke, northerly	Akron	10	162	..	1	..	..	1	1	6	..
Reed	Kelley, northerly	Akron	10	208	..	2	..	..	..	..	..	..
River road	South of Rowell, northerly	Akron	24	409	..	2	..	..	..	..	9	..

River road	South of Rowell, northerly.....	Akron	8	259	150	..	..	..	..	1	4	..
Riley avenue	South of Hayward, southerly.....	Akron	10	121	..	..	..	..	..	..	4	..
Silver	Belmont, easterly	Akron	10	368	..	2	..	..	..	..	12	..
Summer south back....	Pine east back to Union.....	Akron	10	185	..	..	..	..	..	..	4	..
Woodbine avenue	South of Glenwood to Oakland Ave	Akron	12	292	..	..	..	..	..	..	10	..
				<u>7,126</u>	<u>797</u>	<u>46</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>215</u>	<u>2</u>

TABLE No. 23.
MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1917.

Size in inches.	Akron.	Portland (old).	Portland (new).	Cement.	Earthen.	Brick.	Cast iron.	Steel riveted.	Total feet.	Man- holes.
6	330	90	601	...	...	...	24	...	330	1
8	15,745	...	...	6,927	...	...	...	...	16,460	29
10	156,421	2,890	11,678	...	1,132	...	90	...	6,927	1
12	121,728	985	8,269	17,257	2,055	...	34	...	172,211	560
14 .....	...	...	...	...	...	...	24	...	150,328	397
15	46,704	...	5,338	490	...	...	70	...	24	196
18	7,222	770	1,815	860	...	4,867	...	...	52,602	57
20	20,175	...	4,374	...	...	...	158	...	16,034	94
22	2,600	...	958	...	...	...	...	...	24,667	20
24	30,108	...	5,583	735	...	1,900	36	...	35,558	191
16 x 24 .....	...	...	465	1,697	...	...	...	67	38,429	7
27 .....	...	...	...	...	...	...	...	...	1,697	3
29 .....	...	...	...	...	...	1,600	...	...	465	...
36	342	...	...	...	...	506	277.5	39	1,600	2
42 .....	...	...	...	...	...	446	...	...	1,164.5	...
44 .....	...	...	...	...	...	1,195	...	...	446	...
48 .....	...	...	...	...	...	...	...	...	1,195	2
57 .....	...	...	...	...	...	...	...	372	372	3
60 .....	...	...	...	...	...	1,400	...	...	1,400	2
17 x 26 .....	...	...	60	...	...	285	...	...	285	1
20 x 30 .....	...	...	...	...	...	1,506	...	...	1,506	1
22 x 33 .....	...	...	1,197	...	...	1,197	...	...	1,197	1
24 x 36 .....	...	...	...	...	...	1,849	...	...	849	5
26 x 39 .....	...	...	26	...	...	11,051	...	...	11,051	3
29 1/4 x 44 .....	...	...	...	...	...	514	...	...	514	39
30 x 46 .....	...	...	30	...	...	4,530	...	...	4,530	2
32 x 48 .....	...	...	36	...	...	1,360	...	...	4,530	10
36 x 54 .....	...	...	...	...	...	3,279	...	...	1,360	1
38 x 57 .....	...	...	...	...	...	1,067	...	...	3,279	10
40 x 63 .....	...	...	...	...	...	4,388	...	...	1,067	4
42 x 63 .....	...	...	...	...	...	790	...	...	4,388	8
50 x 75 .....	...	...	...	...	...	3,104	...	...	790	4
...	...	...	...	...	...	712	...	...	3,104	9
...	...	...	...	...	...	...	...	...	712	2
Total feet	401,875	4,735	39,081	27,966	3,187	46,546	713.5	478	524,581.5	1,667
Total miles	76,112	0.896	7,402	5,296	0.603	8,816	0.135	0.09	99,352	...

TABLE No. 24.

SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

Year.	Miles con- structed during year.	Miles con- structed to date.	House con- nections recorded dur- ing the year.	House con- nections recorded to date.	Cost of sewers.	Average cost per mile.
1880....	1.62	18.66	...	.....	\$19,919.40	\$12,295.92
1881....	2.18	20.84	...	.....	23,895.12	10,961.06
1882....	3.37	24.21	...	.....	24,148.13	7,165.65
1883....	2.54	26.75	...	.....	21,452.05	8,445.69
1884....	1.73	28.48	...	.....	21,548.60	12,445.84
1885....	1.56	30.04	...	.....	28,122.84	18,027.46
1886....	2.15	32.19	...	.....	44,479.15	20,687.97
1887....	1.44	33.63	...	.....	19,893.92	13,815.22
1888....	1.73	35.36	...	.....	31,154.19	19,008.20
1889....	2.66	38.02	...	2,003	27,513.73	10,343.51
1890....	1.81	39.83	64	2,067	39,297.97	21,711.58
1891....	3.08	42.91	153	2,220	55,409.73	17,990.17
1892....	3.13	46.04	214	2,434	39,724.65	12,691.68
1893....	3.31	49.35	191	2,626	51,392.15	15,526.33
1894....	2.91	52.26	258	2,883	46,116.01	15,847.42
1895....	3.98	56.24	255	3,138	71,759.36	18,055.11
1896....	4.73	60.97	237	3,375	66,408.87	14,099.33
1897....	*3.93	64.44	283	3,658	36,258.41	9,226.05
1898....	*3.76	67.62	520	4,178	34,939.51	9,292.42
1899....	*1.54	69.03	208	4,386	16,683.39	10,819.31
1900....	*1.14	70.17	231	4,617	13,748.41	12,091.58
1901....	1.74	71.91	227	4,844	14,724.39	8,462.29
1902....	*1.95	73.46	186	5,030	20,973.05	10,755.41
1903....	1.41	74.87	190	5,220	17,330.32	12,291.00
1904....	*3.22	76.75	300	5,520	25,574.79	11,520.17
1905....	*1.91	78.51	319	5,839	23,437.19	12,260.78
1906....	*1.35	79.69	163	6,002	21,313.20	15,787.55
1907....	*2.04	81.63	199	6,201	25,631.95	12,564.63
1908....	*1.48	83.03	198	6,399	12,818.59	8,661.21
1909....	*1.40	84.43	173	6,572	16,055.97	11,468.55
1910....	*2.54	86.97	312	6,884	30,124.03	11,906.73
1911....	*2.03	89.00	280	7,164	22,217.24	10,944.48
1912....	*2.90	91.96	393	7,557	27,938.57	9,438.70
1913....	*1.93	93.86	228	7,785	20,555.98	10,650.76
1914....	*2.42	95.75	210	7,995	33,749.75	13,946.17
1915....	*2.53	98.00	343	8,338	30,791.73	12,170.64
1916....	*1.50	99.35	215	8,553	29,219.53	19,479.69

*Includes old sewers relaid.

ABSTRACT REPORT OF THE BOARD OF EXAMINERS OF PLUMBERS.

The Board of Examiners of Plumbers, appointed in accordance with an act (chapter 55, laws of 1899), passed by the New Hampshire State legislature, entitled "An Act authorizing the examination of plumbers and regulating the practise of plumbing and house drainage," and subsequently amended (chapter 32, laws of 1913), comprised William K. Robbins of the Board of Health, Christian L. Wolf, a master plumber, and Samuel J. Lord, engineer. In May, 1913, Edward C. Corey, a master plumber, was appointed in place of Christian L. Wolf, resigned. The board organized by the choice of William K. Robbins, president, and Samuel J. Lord, clerk.

Following is a statement of the expenditures of the board for the year 1916:

JOHN B. CLARKE CO.

June 3.	To printing report of board of examiners of plumbers, 8 pages @ 75c.	\$6.00
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THE KEYSTONE PRESS.

Aug. 15.	To furnishing and printing 150 post cards, "Notice to plumbers".....	\$2.35
	Printing 300 "Suggestions to plumbers"....	2.00
Sept. 20.	Forty postals printed.....	1.15

PIKE & HEALD COMPANY.

Mar. 10.	To 20 lbs. wiping solder @ 34c.....	\$6.80
May 3.	38 lbs. 4" lead pipe @ 11½c.....	4.28
	42½ lbs. 1½" lead pipe @ 11½c.....	4.78
	12 lbs. wiping solder @ 32c.....	3.84
Dec. 22.	16 lbs. wiping solder @ 35c.....	5.60

JOHN H. STEVENS.

Oct. 25.	To 19½ lbs. wiping solder @ 38c.....	\$7.41
	34 lbs. 4" lead pipe @ 10½c.....	3.57

TEMPLE & FARRINGTON COMPANY.

Feb. 2.	To binding record of the Board of Examiners of Plumbers for the year 1915.....	\$1.75
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\$49.53

SUMMARY.

Appropriated to the Board of Examiners of Plumbers for the year 1916		\$50.00
Expenses of the board during the year.....	\$49.53	
Balance unexpended .....	.47	
		<u>\$50.00</u>
Renewal fees received for 42 plumbers' certificates @ 50c each (a renewal fee of 50c is required by state law)....		\$21.00
Renewal fees received for 94 plumbers' licenses @ 50c each (required by law)		47.00
Examination fees received for 16 plumbers' licenses @ \$1.00 each (required by law)		16.00
		<u>\$86.00</u>
Paid to the city treasurer (the state law requires all fees to be paid into the city treasury)		\$86.00

The above amounts include \$3.50 collected from delinquent plumbers.

Table No. 25 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's certificate. This table also gives the class (master or journeyman), the number of the certificate, the date of renewal and expiration of the certificate, also the renewal fee paid by the applicant.

Table No. 26 gives the name, address and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of renewal and expiration of the license and also the renewal fee paid by the applicant.

Table No. 27 gives the name, address and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of license, dates of issue and expiration of the license, also fee paid by the applicant.

Table No. 28 is a summary of tables Nos. 25, 26 and 27.

TABLE No. 25.
PLUMBERS' CERTIFICATES RENEWED DURING THE YEAR, 1916.

Name.	Residence.	No. of appli- cation.	Renewal fee received.	Class of plumber.	No. of certificate.	Date of renewal.	Date of expiration.
Amlaw, Ashley A.	777 Grove	19	\$0.50	Master	18	Aug. 31, 1916	Aug. 31, 1917
Baugs, Charles S.	251 Concord	77	.50	Master	47	Aug. 31, 1916	Aug. 31, 1917
Blood, Frank W.	297 Merrimack	76	.50	Master	84	Aug. 31, 1916	Aug. 31, 1917
Briggs, Thos. J.	157 Milford	34	.50	Master	65	Aug. 31, 1916	Aug. 31, 1917
Caron, H.	56 South Main	63	.50	Master	77	Aug. 31, 1916	Aug. 31, 1917
Carr, Thomas H.	244 Cedar	101	.50	Master	71	Aug. 31, 1916	Aug. 31, 1917
Clarke, Charles E.	938 Beech	100	.50	Journeyman	76	Aug. 31, 1916	Aug. 31, 1917
Colby, Jas. A.	286 Merrimack	105	.50	Journeyman	82	Aug. 31, 1916	Aug. 31, 1917
Coleman, Michael J.	268 Walnut	7	.50	Master	7	Aug. 31, 1916	Aug. 31, 1917
Connor, Charles	Willow	72	.50	Master	63	Aug. 31, 1916	Aug. 31, 1917
Connor, John J.	44 Welch avenue	73	.50	Master	72	Aug. 31, 1916	Aug. 31, 1917
Farrell, Henry M.	673 Grove	38	.50	Master	32	Aug. 31, 1916	Aug. 31, 1917
Farrell, John D.	Old City Hotel	89	.50	Journeyman	53	Aug. 31, 1916	Aug. 31, 1917
Florand, Joseph M.	397 Rockland avenue	35	.50	Journeyman	30	Aug. 31, 1916	Aug. 31, 1917
Goodwin, Wm. E.	Hooksett road	41	.50	Master	35	Aug. 31, 1916	Aug. 31, 1917
Griffin, Frank W.	340 Harrison	24	.50	Master	24	Aug. 31, 1916	Aug. 31, 1917
Guiney, John J.	Lake Shore road	104	.50	Journeyman	59	Aug. 31, 1916	Aug. 31, 1917
Heald, Frank E.	1142 Union	92	.50	Master	70	Aug. 31, 1916	Aug. 31, 1917
Knoettner, George	245 Railroad	46	.50	Journeyman	36	Aug. 31, 1916	Aug. 31, 1917
Knoettner, Oscar	768 Hanover	59	.50	Master	25	Aug. 31, 1916	Aug. 31, 1917
Ladouceur, Albert V.	585 Amory	25	.50	Journeyman	79	Aug. 31, 1916	Aug. 31, 1917
Lane, Frank A.	731 Beech	79	.50	Master	48	Aug. 31, 1916	Aug. 31, 1917
Larkin, John F.	123 Pleasant	75	.50	Master	46	Aug. 31, 1916	Aug. 31, 1917
Leighton, Frank D.	78 Liberty	23	.50	Master	61	Aug. 31, 1916	Aug. 31, 1917
Lewis, Fred S.	165 Mammoth road	40	.50	Master	34	Aug. 31, 1916	Aug. 31, 1917
Lougal, Dolphis	78 Laurel	51	.50	Journeyman	68	Aug. 31, 1916	Aug. 31, 1917
Mayo, Albert F.	45 Taylor	9	.50	Journeyman	9	Aug. 31, 1916	Aug. 31, 1917
McDonald, Charles F.	53 Ash	5	.50	Master	5	Aug. 31, 1916	Aug. 31, 1917
McKenna, John J.	101 Amherst	18	.50	Journeyman	17	Aug. 31, 1916	Aug. 31, 1917
McKenna, Daniel J.	101 Amherst	65	.50	Journeyman	92	Aug. 31, 1916	Aug. 31, 1917
Marchand, Joseph F.	583 Rinnon	55	.50	Master	42	Aug. 31, 1916	Aug. 31, 1917
Merrill, Edwin W.	166 Biudget	74	.50	Master	54	Aug. 31, 1916	Aug. 31, 1917
O'Brien, Martin	123 Amherst	16	.50	Master	16	Aug. 31, 1916	Aug. 31, 1917
Rivard, Zephirin H.	R. F. D. No. 1	11	.50	Journeyman	11	Aug. 31, 1916	Aug. 31, 1917
Thornton, John J.	44 Old Bridge	45	.50	Journeyman	87	Aug. 31, 1916	Aug. 31, 1917
Wolf, Christian L.	36 Clinton	15	.50	Master	15	Aug. 31, 1916	Aug. 31, 1917

TABLE No. 26,
PLUMBERS' LICENSES RENEWED DURING THE YEAR 1916.

Name.	Residence.	No. of appli- cation.	Renewal fee received.	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Amlaw, Roy A.	38 Laurel	133	\$0.50	Master	97	Aug. 31, 1916	Aug. 31, 1917
Barry, James H.	119 West Bridge	138	.50	Journeyman ..	102	Aug. 31, 1916	Aug. 31, 1917
Barlett, Wm. T.	81 Lovell	133	.50	Master	89	Aug. 31, 1916	Aug. 31, 1917
Belanger, Arthur	432 Kelley	111	.50	Master	79	Aug. 31, 1916	Aug. 31, 1917
Bethen, Ernest	336 Prospect	12	.50	Journeyman ..	6	Aug. 31, 1916	Aug. 31, 1917
Blethen, Davis M.	Salon Depot, N. H.	125	.50	Journeyman ..	91	Aug. 31, 1916	Aug. 31, 1917
Breton, Frank	R. F. D. No. 2	131	.50	Master	144	Aug. 31, 1916	Aug. 31, 1917
Brown, James	20 Second	224	.50	Journeyman ..	171	Aug. 31, 1916	Aug. 31, 1917
Brown, William T.	278 Walnut	53	.50	Journeyman ..	41	Aug. 31, 1916	Aug. 31, 1917
Buckley, Thomas J.	251 Hanover	195	.50	Journeyman ..	142	Aug. 31, 1916	Aug. 31, 1917
Call, Ralph H.	60 Massabesic	130	.50	Master	98	Aug. 31, 1916	Aug. 31, 1917
Chamberland, Joseph	520 Main	197	.50	Journeyman ..	147	Aug. 31, 1916	Aug. 31, 1917
Chapman, John W.	884 Clay	22	.50	Journeyman ..	12	Aug. 31, 1916	Aug. 31, 1917
Clarke, A. H.	Smyth road	223	.50	Journeyman ..	169	Aug. 31, 1916	Aug. 31, 1917
Corey, Edward C.	485 Pine	31	.50	Journeyman ..	20	Aug. 31, 1916	Aug. 31, 1917
Cree, Carl D.	298 Cartier	174	.50	Master	132	Aug. 31, 1916	Aug. 31, 1917
Currie, David A.	324 Mammoth road	181	.50	Master	138	Aug. 31, 1916	Aug. 31, 1917
Currice, Edward S.	274 Boynton	190	.50	Journeyman ..	141	Aug. 31, 1916	Aug. 31, 1917
Danielson, David W.	228 Main	175	.50	Master	133	Aug. 31, 1916	Aug. 31, 1917
Descheneau, Arthur	213 Sagamore	92	.50	Journeyman ..	64	Aug. 31, 1916	Aug. 31, 1917
Desmarais, Eugene	142 Maple	195	.50	Journeyman ..	129	Aug. 31, 1916	Aug. 31, 1917
Douglas, Ernest H.	172 Prospect	140	.50	Master	114	Aug. 31, 1916	Aug. 31, 1917
Dubois, Olivia J.	286 Mystic	66	.50	Journeyman ..	47	Aug. 31, 1916	Aug. 31, 1917
Dubois, Olivia J.	91 Manchester	142	.50	Master	106	Aug. 31, 1916	Aug. 31, 1917
Duhaine, Rudolph	214 Sagamore	121	.50	Journeyman ..	88	Aug. 31, 1916	Aug. 31, 1917
Dupont, Adelaud	Ray Block, Room No. 32 ..	103	.50	Journeyman ..	72	Aug. 31, 1916	Aug. 31, 1917
Eastman, Charles W.	Hooksett, N. H.	221	.50	Journeyman ..	167	Aug. 31, 1916	Aug. 31, 1917
Fortin, Ernest	203 Merrimack	218	.50	Journeyman ..	169	Aug. 31, 1916	Aug. 31, 1917
Foster, Frederick F.	287 Massabesic	54	.50	Master	39	Aug. 31, 1916	Aug. 31, 1917
Gaudette, Alfred J.	283 Bridge	17	.50	Journeyman ..	13	Aug. 31, 1916	Aug. 31, 1917
Gedfrion, Ernest J.	392 Main	88	.50	Journeyman ..	63	Aug. 31, 1916	Aug. 31, 1917
Goodman, Charles	156 South Main	211	.50	Master	156	Aug. 31, 1916	Aug. 31, 1917
Greer, Cecil J.	316 Manchester	73	.50	Master	51	Aug. 31, 1916	Aug. 31, 1917
Greer, Leslie C.	15 High	110	.50	Master	81	Aug. 31, 1916	Aug. 31, 1917
Grimard, Alfred	214 Bremer	52	.50	Master	38	Aug. 31, 1916	Aug. 31, 1917

TABLE No. 26—*Concluded.*
PLUMBERS' LICENSES RENEWED DURING THE YEAR 1916—*Concluded.*

Name.	Residence.	No. of appli- cation.	Renewal fee received.	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Guba, Frank	337 Manchester	212	.50	Journeyman...	212	Aug. 31, 1916	Aug. 31, 1917
Harshorn, John E.	17 Prince	15	.50	Master	16	Aug. 31, 1916	Aug. 31, 1917
Hayes, Frank J.	609 Beech	230	.50	Master	173	Aug. 31, 1916	Aug. 31, 1917
Hickey, George F.	22 Nashua	170	.50	Master	130	Aug. 31, 1916	Aug. 31, 1917
Houle, Auguste	408 Amory	171	.50	Journeyman...	127	Aug. 31, 1916	Aug. 31, 1917
Howe, Albert F.	368 Spruce	232	.50	Journeyman...	176	Aug. 31, 1916	Aug. 31, 1917
Iller, Henry H.	440 Granite	189	.50	Journeyman...	140	Aug. 31, 1916	Aug. 31, 1917
Johnson, Hilding	331 Pearl	198	.50	Journeyman...	146	Aug. 31, 1916	Aug. 31, 1917
Johnson, James E.	10 Malvern	131	.50	Journeyman...	145	Aug. 31, 1916	Aug. 31, 1917
Johnson, Sigfred	414 Manchester	151	.50	Journeyman...	95	Aug. 31, 1916	Aug. 31, 1917
Jones, Wm. T.	337 Manchester	151	.50	Journeyman...	110	Aug. 31, 1916	Aug. 31, 1917
Keating, John R.	23 Prospect	118	.60	Master	85	Aug. 31, 1916	Aug. 31, 1917
Kellner, Jeremiah J.	247 Pearl	141	.50	Journeyman...	104	Aug. 31, 1916	Aug. 31, 1917
Keneffick, Chas. E.	215 Stackpole, Lowell, Mass.	180	.50	Master	160	Aug. 31, 1916	Aug. 31, 1917
Keneffick, Wm. P.	215 Stackpole, Lowell, Mass.	151a	.50	Master	115	Aug. 31, 1916	Aug. 31, 1917
Ladd, Arthur S.	511 Spruce	85	.50	Journeyman...	79	Aug. 31, 1916	Aug. 31, 1917
Lacerte, Albert L.	570 Dubuque	27	.50	Journeyman...	71	Aug. 31, 1916	Aug. 31, 1917
Landregan, John J.	764 Sumner	100	.50	Master	123	Aug. 31, 1916	Aug. 31, 1917
Law, Alfred	68 Walker	163	.50	Journeyman...	31	Aug. 31, 1916	Aug. 31, 1917
Langer, Clemens R.	36 Clinton	29	.50	Master	92	Aug. 31, 1916	Aug. 31, 1917
Langer, Richard C.	427 Milford	129	.50	Master	163	Aug. 31, 1916	Aug. 31, 1917
Laroche, Arthur	The Eagle	217	.50	Journeyman...	54	Aug. 31, 1916	Aug. 31, 1917
Leazotte, James F.	97 Taylor	76	.50	Master	84	Aug. 31, 1916	Aug. 31, 1917
Lemay, Sylvio	Mammoth road	117	.50	Journeyman...	61	Aug. 31, 1916	Aug. 31, 1917
L'Esperance, Arthur	Suncook, N. H.	87	.50	Journeyman...	159	Aug. 31, 1916	Aug. 31, 1917
McAllister, Percy	392 Dubuque	210	.50	Journeyman...	158	Aug. 31, 1916	Aug. 31, 1917
McCourt, Patrick J.	216 Laurel	79	.50	Master	11	Aug. 31, 1916	Aug. 31, 1917
McLaughlin, John T.	83 Clarke	20	.50	Journeyman...	170	Aug. 31, 1916	Aug. 31, 1917
Manseau, Anthony	126 Goffstown road	226	.50	Journeyman...	153	Aug. 31, 1916	Aug. 31, 1917
Marchand, Leo P.	83s Rimon	204	.50	Master	30	Aug. 31, 1916	Aug. 31, 1917
Marston, Gardner E.	3 Morrison	43	.50	Journeyman...	175	Aug. 31, 1916	Aug. 31, 1917
Moran, Vincent	259 Manchester	228	.50	Journeyman...	155	Aug. 31, 1916	Aug. 31, 1917
Murphy, Edward J.	259 Manchester	209	.50	Master	148	Aug. 31, 1916	Aug. 31, 1917
Murphy, Wm. J.	22 Taylor	177	.50	Master	50	Aug. 31, 1916	Aug. 31, 1917
Neally, Chestley E.	47 Mechanic	72	.50	Master	50	Aug. 31, 1916	Aug. 31, 1917

Nobert, Irene	432 Kelley	135	.50	Journeyman..	100	Aug. 31, 1916	Aug. 31, 1917
O'Donnell, John	518 Chestnut	176	.50	Journeyman..	134	Aug. 31, 1916	Aug. 31, 1917
O'Laughlin, George	1188 Elm	107	.50	Journeyman..	77	Aug. 31, 1916	Aug. 31, 1917
O'Malley, P. H. L.	97 Pleasant	148	.50	Master	111	Aug. 31, 1916	Aug. 31, 1917
O'Rourke, Samuel	205 Wilson	156	.50	Journeyman..	119	Aug. 31, 1916	Aug. 31, 1917
Osborne, Frank C.	305 Cedar	102	.50	Master	69	Aug. 31, 1916	Aug. 31, 1917
Parenteau, Louis	551 Somerville	145	.50	Journeyman..	103	Aug. 31, 1916	Aug. 31, 1917
Parker, Willard A.	32 Cypress, Springfield, Mass.	169	.50	Master	128	Aug. 31, 1916	Aug. 31, 1917
Pelton, Raymond E.	205 West Central	162	.50	Journeyman..	124	Aug. 31, 1916	Aug. 31, 1917
Pickwick, Fred	748 Pine	124	.50	Master	90	Aug. 31, 1916	Aug. 31, 1917
Pitman, John C.	318 Lake Avenue	134	.50	Journeyman..	99	Aug. 31, 1916	Aug. 31, 1917
Raiche, Trefle	286 Coolidge avenue	5	.50	Master	7	Aug. 31, 1916	Aug. 31, 1917
Reed, Albert D.	319 Central	161	.50	Journeyman..	122	Aug. 31, 1916	Aug. 31, 1917
Reidy, Timothy P.	221 Wellington road	98	.50	Master	68	Aug. 31, 1916	Aug. 31, 1917
Sargent, Myrton E.	27 Grant	178	.50	Master	135	Aug. 31, 1916	Aug. 31, 1917
Seaman, Carl O.	496 Maple	4	.50	Master	1	Aug. 31, 1916	Aug. 31, 1917
Severance, Wm. B.	440 Hanover	101	.50	Master	70	Aug. 31, 1916	Aug. 31, 1917
Simard, Phillip	339 Harvard	172	.50	Journeyman..	136	Aug. 31, 1916	Aug. 31, 1917
Small, Wm. F.	479 Central	206	.50	Journeyman..	172	Aug. 31, 1916	Aug. 31, 1917
Soley, Jeremie	1197 Elm	25	.50	Master	15	Aug. 31, 1916	Aug. 31, 1917
Thompson, Wm.	72 Cleveland	144	.50	Master	109	Aug. 31, 1916	Aug. 31, 1917
VanBrooklin, George	207 Patterson	150	.50	Journeyman..	113	Aug. 31, 1916	Aug. 31, 1917
VanDerlinder, E. J.	21 Buzzell	44	.50	Master	32	Aug. 31, 1916	Aug. 31, 1917
Wilson, Charles J.	31 Bowker, Boston, Mass.	203	.50	Master	151	Aug. 31, 1916	Aug. 31, 1917

TABLE No. 27.
PLUMBERS' LICENSES GRANTED DURING THE YEAR 1916.

Name.	Residence.	No. of appli- cation.	Examination fee received.	Class of plumber.	No. of license.	Date of issue.	Date of expiration.
Brown, James	20 Second	224	\$1.00	Journeyman..	171	May	Aug. 31, 1916
Buckley, Thomas J.	231 Hanover	220	1.00	Master	164	Mar.	Aug. 31, 1916
Clarke, Arthur H.	Smyth road	223	1.00	Journeyman..	169	May	Aug. 31, 1916
Currie, David A.	274 Boynton	219	1.00	Master	165	Mar.	Aug. 31, 1916
Eastman, Charles W.	Hooksett, N. H.	221	1.00	Journeyman..	167	Apr.	Aug. 31, 1916
Fortin, Ernest	203 Merrinack	218	1.00	Journeyman..	166	Mar.	Aug. 31, 1916
Hayes, Frank J.	609 Beech	230	1.00	Master	173	June	Aug. 31, 1916
Hove, Albert F.	368 Spruce	232	1.00	Journeyman..	176	July	Aug. 31, 1916
Iller, Henry H.	440 Granite	229	1.00	Master	174	June	Aug. 31, 1916
Johnson, James	10 Malvern	222	1.00	Master	168	Apr.	Aug. 31, 1916
Lacerte, Albert L.	570 Douglas	233	1.00	Master	177	Nov.	Aug. 31, 1917
Laroche, Arthur	The Eagle	217	1.00	Journeyman..	163	Feb.	Aug. 31, 1916
Manseau, Anthony	126 Goffstown road	226	1.00	Journeyman..	170	May	Aug. 31, 1916
Moran, Vincent	259 Manchester	228	1.00	Journeyman..	175	June	Aug. 31, 1916
Small, Wm. F.	479 Central	206	1.00	Journeyman..	172	May	Aug. 31, 1916
Villeneuve, Adrien	592 Main	236	1.00	Journeyman..	178	Nov.	Aug. 31, 1917

TABLE No. 28.

SUMMARY OF TABLES Nos. 25, 26, 27.

Master plumber's certificates renewed during the year 1916.....	23	..
Journeyman plumber's certificates renewed during the year 1916..	..	13
Master plumber's licenses renewed during the year 1916.....	41	..
Journeyman plumber's licenses renewed during the year 1916....	..	53
Master plumber's licenses granted during the year 1916.....	6	..
Journeyman plumber's licenses granted during the year 1916.....	..	10
	—	—
	70	76

COST KEEPING.

The time book kept by this office exhibits a complete record by days of each employee, and the particular or several jobs each was engaged upon for each day during the year. This method has been in vogue since this department was created and will be continued.

In 1905 a new method (in this office) of keeping orders was begun, a card four by six inches being used, setting forth the nature of the order, date ordered, date done and by whom done, transit and level books, and plan reference (for convenience) and each card numbered. This method was originally intended to do away with the many inconveniences due to keeping orders in an order book. Beginning in May, 1906, the cost keeping feature was added. This last method has proved satisfactory beyond expectation, a brief description of which follows:

Size of all cards, five by eight inches. They are divided at the present time into ten classes of work, Board of Public Works (cards or orders) embracing all work done by this office for the Board of Public Works, which includes all streets, sewers and park work, and might properly be designated as "location and construction engineering."

Office (cards or orders) include all preliminary office or field work, street surveys, levels for profile, cross section, estimates, plans, details, etc., for the Board of Public works and individuals.

Miscellaneous (cards or orders) include the setting of all sidewalk grade, staking out street line for abutters on highways and for the staking out of sidewalk construction for any property owner or contractor.

Cemeteries (cards or orders) include all preliminary location and office work done for cemeteries.

Highway bounds (cards or orders) include the work of setting bounds; it does not include the location of the points. This part of the work is done under office (cards or orders).

Street signs (cards or orders) include street sign work.

Schoolhouse signs (cards or orders) include the work of placing signs warning traffic of the proximity of schoolhouses.

Automobile signs (cards or orders) include the work of placing signs for the guidance of motorists.

Railroad signs (cards or orders) include the work of placing signs warning traffic of the proximity of railroads.

Street numbers (cards or orders) include measuring for street numbers, making numbering plans, assigning and putting on numbers.

Under office work "Stock" includes all drawing materials; under field work "Stock" includes stakes, hubs, tacks, etc. Auto trucks are charged in the cost record at fifty cents the hour based on three hundred and thirteen seven and one-half hour days per year.

This price will cover cost, repairs, keeping, interest and replacing new every ten years.

Table No. 29 is a list of highway bounds set and reset during 1916, giving the location, material (concrete or granite) new or reset, cost of labor, auto, stock (cost of bound) and total cost per bound; also average cost of concrete bounds and granite bounds.

Table No. 30 is a detailed statement of levels for street profiles, street profile, and plan and profile work done under office (cards or orders). This table gives the location and limits of the several jobs, the length of distance covered, the number of lines of levels taken, the equivalent distance (under total distance) of a single line of levels, the cost of labor, auto, and total cost of field work, the cost of labor, stock and total cost of office work, and the total cost of field and office work of each job. This table is given in detail in order to show the actual cost of field and office work of each job.

Table No. 31 is a summary cost record of the cost of work done under miscellaneous (cards or orders), giving the number of orders, the location and description of work the party or parties ordering the work done, the cost of labor, auto, stock and total cost of field work, the cost of labor, stock and total cost of office work and the total cost of office and field work.

Table No. 32 is a summary cost record of street sign work, giving the number of signs put up, cost of labor, auto, stock and total cost; also footnotes giving the average cost per sign of labor, auto, stock and total average cost per sign.

Table No. 33 is a summary cost record of schoolhouse sign work, giving the number of signs put up, cost of labor, auto, stock and total cost; also footnotes giving the average cost per sign of labor, auto, stock and total average cost per sign.

Table No. 34 is a summary cost record of automobile sign work, giving the number of signs put up, cost of labor, auto, stock and total cost; also footnotes giving the average cost per sign of labor, auto, stock and total average cost per sign.

Table No. 35 is a summary cost record of cemetery work, giving the

number of orders for each cemetery where work was done, the cemetery, the cost of labor, auto, stock and total cost of office work done for each cemetery, the cost of labor, auto, stock and total cost of field work, the total cost of office and field work for each cemetery. This work is done under cemeteries (cards or orders).

Table No. 36 is a summary of street number orders, giving the number of orders, cost of labor, auto, stock and total cost of street number work. This does not include the street number figures given out at the counter. (See matter under street numbers).

Table No. 37 is a summary cost record of work done under Board of Public Works (cards or orders), giving the number of orders, description of work, cost of labor, auto, stock and total cost for each kind of work, as noted under the description of work. Following this table is given the cost of labor, auto, stock and total cost of preliminary field and office work and cost of location field work and finished plans (estimated), setting forth the cost of sewer work engineering, and giving the percentage of cost of sewer work engineering to sewer work construction.

Table No. 38 is a summary of Tables Nos. 30, 31, 32, 33, 34, 35, 36 and 37.

TABLE No. 29.

COST RECORD—HIGHWAY BOUNDS.

Location.	Removed.	Concrete.	Granite.	Reset.	Labor.	Auto.	Stock.	Total.
Beech and Bell, southwest corner.....	1	\$2.80	\$1.00	\$0.03	\$3.83
Belmont and Bridge, northwest corner.....	..	1	..	..	2.60	1.25	.53	4.38
Blaine and Third, southeast corner.....	1	..	2.24	1.75	1.28	5.27
Boynton, east side, south of Allen.....	1	..	1.28	1.00	1.28	3.56
Boynton, west side, angle north of Allen.....	1	..	4.45	2.00	1.28	7.73
Boynton, west side, south of Balch avenue.....	1	..	1.28	1.00	1.28	3.56
Bremer and Hevey, southwest corner.....	1	2.16	.75	.03	2.94
Bridge and Asbland, northeast corner.....	1	..	2.80	1.00	1.28	5.08
Bridge-street extension, angle west of Candia road.....	1	..	2.48	1.00	1.28	4.76
Bridge and Hell, southwest corner.....	1	..	4.45	2.00	1.28	7.73
Brockton and Bismarck, southeast corner.....	..	1	..	..	4.90	1.75	.53	7.18
Brock and Brockton, northwest corner.....	..	1	..	..	5.60	2.00	.53	8.13
Calef road, south side, 2nd angle, east of Elm.....	..	1	..	..	2.68	1.00	.53	4.21
Calef road, west side, 3d angle east of Elm.....	..	1	..	..	2.68	1.00	.53	4.21
Campbell and Hooksett road, southwest corner.....	..	1	..	..	4.48	1.75	.53	6.76
Campbell, south side, 1st angle west of Hooksett road.....	1*	..	5.12	2.00	.03	7.15
Candia road and Highland park avenue, northeast corner.....	1*	..	2.03	1.00	.02	3.05
Candia road and Londonderry turnpike, northwest corner.....	1	..	4.62	1.50	1.28	7.40
Candia road, north side, at tangent point of curve in Sanborn's driveway.....	1*	..	1.88	1.00	.03	2.91
Candia road, west of Bridge-street extension.....	1	..	4.70	2.50	1.28	8.48
Candia road, south side, at Crombie's.....	..	1	..	..	4.62	1.50	.53	6.65
Candia road, south side, east of Crombie's at tangent point.....	1*	..	2.88	1.00	.03	3.91
Cartier and Putnam, southwest corner.....	1	..	1.60	1.25	1.28	4.13
Chestnut and Orange, southeast corner.....	1	5.12	2.00	..	7.12
Clarke and North Bay, northwest corner.....	1	3.67	1.25	.03	4.95
Coolidge avenue, east side, angle south of Kelley Delaware avenue and Paris, northeast corner.....	1	..	2.88	1.00	1.28	5.16
Elm and Calef road, northeast corner.....	1	2.80	1.00	.03	3.83
Elm and Calef road, northeast corner.....	..	1	..	..	1.44	.50	.53	2.47
Hanover, north side, angle west of Candia road.....	1	2.95	1.00	.03	3.98

Hevey and Columbus avenue, northwest corner.	..	1*	..	1.44	.50	.03	1.97
Kelley and Boutwell, southwest corner .....	..	..	..	4.56	2.00	.03	6.59
Kelley and Youville, southwest corner .....	..	..	1	1.34	.50	.03	1.87
Kelley and Youville, southwest corner	1	..	..	1.34	.50	..	1.84
Main, South, and Goffe, southeast corner .....	..	..	..	1.44	.50	.03	1.97
Main, South, and McDuffie, southwest corner ..	..	..	1	2.01	.75	.03	2.79
Main, South, west side, angle south of McDuffie	..	..	1	2.01	.75	.03	2.79
Maple and Spruce, southeast corner .....	..	1	..	1.56	.75	1.27	3.58
Mast, north side, at Vogel's shop .....	..	..	..	3.10	1.25	.03	4.38
Mast and Mast road, northeast corner .....	..	..	1	2.68	1.00	.03	3.71
Mast, west of first tangent point of curve	1	..	..	1.54	.50	..	2.04
McGregor and Main, north end .....	..	..	1	1.44	.50	.03	1.97
Prout park, north side of Young street .....	..	..	1	2.08	1.00	.52	3.60
Spruce street and Clough avenue, southeast cor- ner	1	..	..	.70	.25	..	.95
Union and Pearl, northeast corner .....	..	..	1	2.68	1.00	.03	3.71
Young and Jewett, northwest corner .....	..	1	..	4.69	1.75	.53	6.97
Youville and Kelley, southeast corner	1	..	..	.72	.25	..	.97
Total	4	11	14	\$128.52	\$52.50	\$21.20	\$202.22

*Old stone bounds.

TABLE No. 30.

COST RECORD—FIELD WORK (Levels for Profile). OFFICE WORK (Plans and Profiles).

Location.	Limits.	Dis- tance.	No. of lines.	Total distance.	FIELD WORK.			OFFICE WORK.			
					Labor.	Auto.	Total.	Labor.	Stock.	Total	Total cost.
Alsace	Rimmon, northerly...	350	1	350	\$7.77	\$2.75	\$10.52	...	...	...	\$10.52
Ash	North to Webster...	2,400	3	2,400	6.03	2.00	8.03	\$1.62	\$0.05	\$1.67	9.70
Baker brook	Brown Ave., westerly	850	1	850	1.57	.50	2.07	5.00	.12	5.12	7.19
Beech	Bridge to Salmon...	16,500	6	16,500	19.27	6.50	25.77	14.40	.30	14.70	40.47
Beech east back....	Harrison to Brook...	480	3	1,440	3.67	1.25	4.92	2.16	.05	2.21	7.13
Bridge St. extension.	Candia road, westerly	975	3	2,925	8.28	2.25	10.53	2.16	.10	2.26	12.79
Brockton avenue ..	Brook to Forest....	575	3	1,725	3.08	1.00	4.08	1.20	.05	1.25	5.33
Candia road	Page, easterly	1,150	3	3,450	2.80	1.00	3.80	1.92	.12	2.04	5.84
Campbell	Union to Hooksett Rd.	3,800	3	11,400	30.80	11.00	41.80	7.68	.34	8.02	49.82
Central	Chestnut to Pine....	450	8	3,600	6.16	2.00	8.16	3.84	.05	3.89	12.05
Cove	Elm, westerly	94	3	282	2.05	.75	2.80	.96	.03	.99	3.79
Dover	Granite to Douglas..	650	3-6	2,450	2.88	1.00	3.88	1.68	.05	1.73	5.61
Dubuque east back..	Kelley to Dubuque ..	600	3	1,800	3.50	1.25	4.75	1.92	.05	1.97	6.72
Elm, west side	Pleasant to W. Central	225	2	450	2.88	1.00	3.88	.60	..	.60	4.48
Elm	Rovell, northerly ..	725	3	2,175	2.80	1.00	3.80	1.68	.05	1.73	5.53
Elm	West Valley, southerly	450	8	3,600	6.15	2.25	8.40	4.80	.06	4.86	13.26
Ferry	Third to South Main.	675	5	3,375	5.57	2.50	8.07	2.88	.05	2.93	11.00
Fourth east back....	Ferry to School south back	250	3	750	2.16	.75	2.91	1.20	.03	1.23	4.14
Goffe	Main to W. Hancock.	775	5	3,875	13.78	5.75	19.53	...	...	...	19.53
Harrison south back.	Pine to Union	450	3	1,350	1.91	.75	2.66	...	...	...	2.66
Harrison south back.	Chestnut to Pine	385	3	1,155	3.08	1.00	4.08	1.20	.03	1.23	5.31
Hayward	Belmont to Taylor....	700	3-5	2,780	4.90	1.75	6.65	2.16	.05	2.21	8.86
Hevey east back....	Conant, northerly ..	460	2	920	4.34	1.75	6.09	...	...	...	6.09
Hudson	Porter to Mammoth road	865	3	2,595	3.08	1.00	4.08	...	...	...	4.08
Johnson	Porter to Mammoth road	775	3	2,325	3.64	1.75	5.39	1.92	.10	2.02	7.41
Kenney	Lake avenue to Laurel	500	3	1,500	3.08	1.00	4.08	...	...	...	4.08
Knowlton	South of Hayward to Somerville	730	3	2,190	2.93	1.00	3.93	2.16	.05	2.21	6.14
Laurel avenue	Laurel to Merrimack	200	3	600	1.44	.50	1.94	1.50	.03	1.53	3.47
Litchfield lane	Union to Beech.....	575	3	1,725	3.08	1.00	4.08	1.92	.05	1.97	6.05

Londonderry turnpike	260	3	780	1.88	1.00	2.88	.72	.05	.77	3.65
R. R.										
Hudson to south of Somerville	600	5	3,000	4.45	2.00	6.45	1.20	.04	1.24	7.69
Cedar to Auburn	220	3	660	2.88	1.00	3.88	1.20	.05	1.25	5.13
Budget to Sagamore . . .	550	5-7	3,175	4.20	1.50	5.70	3.60	.05	2.69	8.39
Sagamore to Webster . . .	1,665	3	4,995	7.70	2.50	10.20	2.60	.15	3.75	13.95
Lake Ave. to Taylor . . .	2,018	3-7	10,404	8.64	4.50	13.14	.96	.05	1.96	14.10
McDuffie	500	3	1,500	3.15	1.00	4.15	1.68	.05	1.73	5.88
Merrimack	675	7	4,725	4.40	2.00	6.40	3.75	.05	3.80	10.20
Monadnock lane										
Nutfield lane to Chest- nut	520	5-7	3,425	3.85	1.75	5.60	3.75	.05	3.80	9.40
McGregor to Main	445	3	1,335	3.50	1.25	4.75	.96	.05	.96	5.71
Beech to east of Oak . . .	985	3	2,955					.05		
Manchester to Monad- nock lane	120	7	840	6.16	2.00	8.16	1.68	.10	1.78	9.94
Walnut to Beech	320	5	1,600	2.10	.50	2.21	1.20	.03	1.23	3.44
At Wallace Laird's	680	5	3,400	5.39	1.75	2.85	1.44	.03	1.47	4.32
Elm to River road	325	3	975	1.40	.50	1.90	1.68	.10	1.78	8.92
Maple to east of Oak . . .	600	3	1,800	3.85	1.25	5.10	.72	.03	.75	2.65
Notre Dame Ave. to Flaherty lane	300	3	900	3.50	1.25	4.75	1.20	.05	1.25	6.35
Mast road to Rock- land avenue	700	3	2,100	4.90	1.75	6.65	.72	.05	.77	5.52
Porter to Mammoth road	960	3	2,880	2.93	1.00	3.93	1.92	.05	1.97	8.62
Elm to Chestnut	675	6-7	4,600	5.60	2.00	7.60	1.68	.10	1.78	5.71
Elm to Canal	780	7	5,460	8.06	3.25	11.31	3.60	.05	3.65	11.25
Granite to Douglas	250	3	750	2.88	1.00	3.88	.00	.05	.00	11.31
West line	1,298	3	3,894	11.24	3.88	15.12	.00	.05	.00	3.88
Valley cemetery	2,000	3	6,000	2.05	.75	2.80	18.00	.40	18.40	33.52
Valley, West	380	3-7	2,015	.00	.00	.00	.96	.03	.99	3.79
Amherst to Concord . . .							6.16	.05	6.21	6.21
	38,290		49,305	\$269.10	\$95.13	\$367.23	\$127.98	\$3.37	\$131.35	\$498.58

TABLE No. 32.
COST RECORD—STREET SIGNS.

No. of signs.	Labor.	Auto.	Stock.	Total.
28	\$11.72	\$9.38	\$26.07	\$47.17

Name of street painted on both sides of sign, sign secured in cast-iron hangers by two nails and hangers fastened by four nails to trees, wooden electric light poles, wooden trolley poles and telephone poles. (Stock includes one sign, one sign-hanger and six nails).

Average cost of labor per sign for 28 signs	\$0.42
Average cost of auto per sign for 28 signs .....	.33½
Average cost of stock per sign for 28 signs .....	.93
Average cost per sign for 28 signs	1.68½

TABLE No. 33.
COST RECORD—SCHOOLHOUSE SIGNS.

No. of signs.	Labor.	Auto.	Stock.	Total.
10	\$6.39	\$4.00	\$12.20	\$22.59

The words, "Schoolhouse, Caution," painted on one side of sign, sign secured in cast-iron hangers by two nails and hangers fastened by four nails to trees, wooden electric light poles, wooden trolley poles or telephone poles (stock includes one sign, one sign-hanger and six nails).

Average cost of labor per sign for 10 signs	\$0.64
Average cost of auto per sign for 10 signs .....	.40
Average cost of stock per sign for 10 signs	1.22
Average cost per sign for 10 signs	2.26

TABLE No. 34.
COST RECORD—AUTO SIGNS.

No. of signs.	Labor.	Auto.	Stock.	Total.
6	\$5.60	\$2.13	\$7.96	\$15.69

Name of street, distance and direction to next turn and distance to certain towns and cities en route painted on one side of sign, sign secured in cast-iron hangers by two nails and fastened by four nails to trees, wooden electric light poles, trolley poles and telephone poles. (Stock includes one sign, one sign-hanger and six nails).

Average cost of labor per sign for 6 signs	\$0.93
Average cost of auto per sign for 6 signs .....	.35½
Average cost of stock per sign for 6 signs	1.33
Average cost per sign for 6 signs	2.61½

TABLE No. 35.

COST RECORD—CEMETERIES.

No. of orders.	Location.	OFFICE WORK.			FIELD WORK.				Total cost.
		Labor.	Stock.	Total.	Labor.	Auto.	Stock.	Total.	
10	Pine Grove cemetery	\$1.20	....	\$1.20	\$85.83	\$31.75	\$1.38	\$118.96	\$120.16
3	Valley cemetery...	....	....	....	20.38	6.75	.74	27.87	27.87
13		\$1.20	....	\$1.20	\$106.21	\$38.50	\$2.12	\$146.83	\$148.03

TABLE No. 36.

COST RECORD—STREET NUMBERS.

No of orders.	Labor.	Auto.	Stock.	Total.
267	\$115.63	\$39.86	\$48.38	\$203.87

TABLE No. 37.

COST RECORD—BOARD OF PUBLIC WORKS.

No. of orders.	Description of work.	Labor.	Auto.	Stock.	Total cost.
8	Lines and grades (Baker brook sewer)	\$34.82	\$11.75	\$0.54	\$47.11
14	Lines and grades (cesspool)....	37.52	13.63	1.41	52.56
12	Lines and grades (corner curbs)	52.37	17.75	1.73	71.85
29	Lines and grades (curbs and corner curbs)	211.85	75.25	11.87	298.97
100	Lines and grades (curbs)	433.85	151.58	19.43	605.16
6	Lines and grades (Elm street dry bridge)	35.76	11.75	....	47.51
4	Lines and grades (gutters)	18.39	6.25	.54	25.18
3	Lines and grades (paving)	10.38	3.50	....	13.88
39	Lines and grades (streets)	335.24	115.88	28.86	479.98
50	Lines and grades (sewers)	151.78	52.00	....	203.78
8	Lines and grades (sidewalks)...	29.69	10.50	.50	40.69
3	Lines and grades (sidewalks and curbs)	18.62	6.25	.30	25.17
6	Lines and grades (miscellaneous)	34.65	11.25	.45	46.35
2	Miscellaneous	5.24	1.75	....	6.99
284	Totals	\$1,410.16	\$489.39	\$65.63	\$1,965.18

TABLE No. 38.

SUMMARY OF TABLES Nos. 30, 31, 32, 33, 34, 35, 36 and 37.

No. of Table.	No. of orders.	FIELD WORK.				OFFICE WORK.			Total cost.
		Labor.	Auto.	Stock.	Total.	Labor.	Stock.	Total.	
30	54								
31	317	\$269.10	\$98.13	.....	\$367.23	\$127.98	\$3.37	\$131.35	\$498.58
32	32	891.60	304.14	\$21.19	1,216.93	217.59	4.12	221.71	1,438.64
33	10	11.72	9.38	26.07	47.17	.....	.....	.....	47.17
34	6	6.39	4.00	12.20	22.59	.....	.....	.....	22.59
35	13	5.60	2.13	7.96	15.69	.....	.....	.....	15.69
36	267	106.21	38.50	2.12	146.83	1.20	.....	1.20	148.03
37	284	115.63	39.86	48.38	203.87	.....	.....	.....	203.87
		1,410.16	489.39	65.63	1,965.18	.....	.....	.....	1,965.18
Totals	983	\$2,816.41	\$985.53	\$183.55	\$3,985.49	\$346.77	\$7.49	\$354.26	\$4,339.75

To His Honor the Mayor, the Board of Aldermen, and the various committees with whom in the performance of my duties I have come in contact, I wish to express my appreciation of the assistance and support you have rendered to me during the year.

My acknowledgments are due the gentlemen of the Board of Public Works for their courtesy, consideration and coöperation in matters in which we were mutually engaged.

SAMUEL J. LORD,
Engineer.

GENERAL STATISTICS.

CITY OF MANCHESTER, N. H., January 1, 1917.

Manchester is situated on the east and west banks of the Merrimack river, in latitude $43^{\circ} 00' 04.3''$ north, longitude $71^{\circ} 26' 21.1''$ west (final of Weston observatory), at an elevation above sea level of from about 100 feet to about 530 feet.

Zero of the city base is 100.934 feet above sea level.

City hall step is 108.520 feet above zero of city base, or 209.454 feet above sea level.

VARIOUS ELEVATIONS ABOVE SEA LEVEL.

Coping stone of high service reservoir, 500.924 feet.

Rock Rimmon, highest point, 390.56 feet.

Lake Massabesic, 250 feet.

Granite and Main streets about 163 feet, South Main and Milford about 178 feet, Milford and Rochelle avenue about 196 feet, Amory and Main, about 213 feet, Amory and Notre Dame avenue about 236 feet, Elm and Carpenter about 288 feet, Highland and Lowell about 426 feet, Hanover and Beacon about 354 feet, Lake avenue and Massabesic about 251 feet, Elm and Brown Avenue about 211 feet, Cypress and Vinton about 340 feet, Bridge and Hall about 326 feet.

Greatest extent of city, north and south, 11.5 miles; east and west 5.3 miles.

Merrimack river frontage, 10 miles.

Area of city, including those portions covered by water, approximately 21,700 acres, or 33.906 miles.

AREA OF WARDS.

Ward 1, 4,900 acres; Ward 2, 2,400 acres; Ward 3, 234 acres; Ward 4, 213 acres; Ward 5, 221 acres; Ward 6, 3,400 acres; Ward 7, 359 acres; Ward 8, 7,572 acres; Ward 9, 289 acres; Ward 10, 977 acres; Ward 11, 237 acres; Ward 12, 279 acres; Ward 13, 619 acres.

Most thickly settled ward, Ward 5; most sparsely settled ward, Ward 8.

AREA OF PARKS AND COMMONS.

Derryfield park, 68 acres; Rock Rimmon park, 45 acres; Stark park, 30 acres; Oak Hill reservoir park, 25.65 acres; West Side park, 9.76 acres; Prout park, 3.70 acres; Lafayette park, 2.08 acres; Walker park, 1.60 acres; Simpson park, 0.56 acres; East Side park, 0.44 acres; Merrimack common, 5.89 acres; Concord common, 4.48 acres; Park common, 3.49 acres; Hanover common, 3.00 acres; Parker common, 2.61 acres; Tremont common, 2.25 acres. Total area of parks and commons, 208.51 acres. Valuation, \$725,000.

WATER AREA.

Massabesic lake (entire), 2,400 acres (water shed 40 square miles); area in city, 500 acres; Long pond, 23.250 acres; Mosquito pond, 21.855 acres; Nutt's pond, 19.095 acres; Stevens pond, 16.276 acres; Merrimack river, 550 acres; Piscataquog river, 50 acres.

Total water area in city, 1,180.476 acres.

Area taxed, approximately 15,000 acres.

Valuation, real estate and personal property, \$74,557,282; tax rate, 1916, \$1.56.

STREETS AND ROADS.

Unpaved streets, not including back streets, lanes or alleys, 123.28 miles.

Paved streets, including such back streets and lanes as are paved, 13.02 miles.

Outlying or country roads, 72.66 miles.

Total miles of streets and roads, 205.77.

PAVED STREETS.

Granite block, cement joints,	1.96 miles	43,510 sq. yds.
Granite block, pitch joints,	0.20 miles	4,938 sq. yds.
Granite block, sand joints (old)	0.23 miles	8,100 sq. yds.
Granite block, sand joints,	2.36 miles	26,956 sq. yds.
Tar concrete,	3.38 miles	54,577 sq. yds.
Tar macadam,	0.10 miles	1,580 sq. yds.
Roc-Mac,	2.61 miles	35,269 sq. yds.
Bithulithic,	1.96 miles	29,804 sq. yds.
Wood block,	0.22 miles	2,908 sq. yds.
Total	*13.02 miles	207,642 sq. yds.

Common width of streets, 50 feet; widest street, 100 feet; narrowest street, 9.84 feet; longest street, city proper, 4.1 miles; suburban, 5.4 miles; shortest street, 100 feet.

Sidewalks on streets, approximately 200 miles.

Ninety miles of streets have shades trees.

*Including gutters on paved streets.

TREES IN CITY.

Number and kind of trees on streets, exclusive of those on the Amoskeag and Stark corporations, 14,461, divided as follows: Elm, 4,296; maple, 7,662; Oak, 760; poplar, 898.

In public and parochial school yards: Elm, 578; maple, 278; Oak, 9; others, 65; total 930.

In parks, commons and City farm: Elm, 578; maple, 1,284; oak, 70; poplar, 67; others, 12,201; total, 14,200.

Total number of trees, 29,085.

CEMETERIES.

Four cemeteries belonging to the city have a combined area of 292 acres; 11 private cemeteries about 75 acres.

SEWERS.

Akron, 76.112 miles; Portland (old), 0.896; Portland (new), 7.402 miles; earthen, 0.603 miles;; cement, 5.296 miles; brick, 8.816 miles; cast iron, 0.135 miles; steel riveted, 0.09 miles; total, 99.352 miles.

Largest sewer, 50 inches by 75 inches; smallest 6 inches.

RAILROADS.

Electric railways, double, counted twice, city lines, 41.70 miles; suburban lines, 22.69 miles.

Steam railroads, double track, about 8.5 miles; single track, about 11.5 miles exclusive of sidings and tracks in railroad yards.

STREET LIGHTS.

600 c. p. Tungstens, 594; 100 c. p. Tungstens, 577; gas, 32; total, 1,171. Number of electric arches over street, 10.

BRIDGES.

Location.	Length in feet.	Width of roadway.	Number of walks.	Width of walks.	Material	Arches or spans.	Date built.
Amoskeag	765.5	20	1	5.5	Wood	3	1854
Bridge street at upper Canal	57	22.5	2	7	Iron	1	1880
Bridge street, McGregor and approaches	1,085	23	2	8	Iron	3	1881
Brown avenue at Goffe's Falls	30	34	2	8	Steel	1	1901
Brown avenue at Cheney's	16	16	..	..	Wood	1	..
Brown avenue at Little Cohas	16	20	..	..	Wood	1	..
Cohas avenue at Great Cohas	36	30.5	..	..	Stone	2	1884
Derry road at Great Cohas	38	20	..	..	Wood	1	1900
Derry road near town line	33	20	..	..	Steel	1	1900
Dunbarton road near Black brook	33	30	..	..	Steel	1	1900
Elm street at railroad	25	17.5	..	..	Wood	1	1900
Front street at railroad	295*	68	2	16	Concrete†	1	1916
Granite street at Black brook	16.5	33	..	..	Wood	1	1904
Granite street at lower Canal	55	40	2	10	Steel	1	1896
Granite street at North Weare railroad	468	40	2	8	Steel	4	1905
Island Pond road at outlet of lake	56	37.5	2	6	Iron	1	1902
Kelley street across Piscataquog river	46	16	..	..	Steel	13	1914
Main street at Piscataquog river	1,033	34	2	8	Steel	2	1894
Mammoth road at Great Cohas	90	34	2	8	Stone	1	1884
Mammoth road near town line	38	18	..	..	Wood	1	1899
Merrill road at Manchester & Lawrence railroad ..	14	20	..	..	Wood	1	..
Mill road at Harvey's mill	61.5	12	..	..	Wood	1	..
Parker street at North Weare railroad	59	24	..	..	Steel	1	1900
Second street at Piscataquog river	53	24	2	6	Iron	1	1884
Second street at Piscataquog river	62	32.5	2	8.75	Steel	1	1893
Webster road at water works dam	127	32.5	2	8.75	Steel	1	1893
Weston road, east of D. Connor's	100	17.5	..	..	Wood	5	1897
Willow street at Great Cohas	6	16	..	..	Wood	1	1907
Willow street at Great Cohas	74	24	..	..	Steel	3	1907

* Bridge built full width of street 100 feet but on a skew of about 23 degrees, making the length 295 feet and the width at right angles 28 feet.

† Construction: abutments and walls, concrete; floor, concrete, reinforced by structural steel.

CITY BUILDINGS.

Schoolhouses, brick, 26; wood, 2; total, 28; valuation, \$900,000.

Engine houses, 11; valuation, \$200,000. Other public buildings, 11; valuation, \$1,170,000.

Police stations, 2.

Churches, brick, 14; wood, 30; stone, 2; Stucco, 1. Total, 47.

Postoffice, stone, 1; sub-stations, 16.

FIRE DEPARTMENT.

Steam fire engines, 7; chemical, 1; auto chemical, 4; combination wagons, 2; automobile combination trucks, 3; hose trucks, 4; ladder trucks, 3; auto ladder trucks, 2; aerial ladder truck, 1; hose carriages, spare, 1; chief's auto, 1; deputy chief's autos, 2; exercise wagons, 8; fire-alarm telegraph auto and supply truck, 1.

Number of permanent men in department, 87; call men, 102; horses, 46.

Valuation of equipment, including fire-alarm telegraph, \$204,412.62.

POPULATION.

Population, estimated, January 1, 1917, 87,000.

Registered voters, 1916, 11,399.

REPORT OF SUPERINTENDENT
OF PUBLIC BUILDINGS

REPORT OF THE SUPERINTENDENT OF BUILDINGS.

MANCHESTER, N. H., December 31, 1916.

*To His Honor the Mayor and the Board of Aldermen of the City of
Manchester, N. H.:*

GENTLEMEN—I herewith submit my annual report of the Building Department, showing the operations and expenditures for the year ending December 31, 1916.

In submitting this report to your honorable body and before entering upon that part of this report which by certain provisions of ordinance is required of the superintendent of buildings to submit annually, I desire to express to you my appreciation of the supporting coöperation of yourselves, and to the several committees which it has been my privilege to meet in conference, also to the various other departments, who in their relations with this department have always rendered a ready assistance whenever occasion required.

It is my desire to call to your attention as briefly as possible to the nature of the improvements made upon the various public buildings of the city during the past year, and I am pleased to say that we have accomplished much more than I anticipated, and the department as a whole has attained a degree of efficiency and economy that is commendable. The aforesaid is not confined wholly to the repair department, but includes also the ever increasing demand of inspection and supervision, to which duties we have made every effort to give prompt and conscientious attention, with due consideration for all concerned.

The new hose house at Lake Massabesic, located at the southwest corner of Candia Road and Londonderry Turnpike, was completed in the month of August, 1916. The appropriation made for the construction of same not being sufficient to complete the building, a portion of the work not called for in the builders contract was done by this department and included the following: The building of a cement vault, installing water closet and the necessary plumbing and carpenter work for same, laying water pipe, painting, electric work, etc., the cost of these extras amounting to two hundred thirty-six dollars and seventy cents (\$236.70), and the builders contract of eight hundred and fifty dollars (\$850) and for excavation, etc., one

hundred thirty-five dollars and seventy-one cents (\$135.71), making the total cost of the building twelve hundred twenty-two dollars and forty-one cents (\$1,222.41).

At our workshop we have, by the kindness and consideration of the chief of police, been able to enlarge our storage room and working floor space to some extent by acquiring a portion of that formerly occupied by the police department, yet even with this addition we are somewhat handicapped, and in my judgment the whole of the first floor of the building, where the shop is now located, would be none too much room to carry on the work to advantage. However, this addition has enabled us to make some needed changes in the location of the different machines, and the installation of two more small wood-working machines. Our equipment at the present time is such that we are able not only to turn out a considerable amount of work in good time at a substantial saving, but to do a greater part of the machine work that we have in the past been compelled to have done elsewhere, owing to a lack of these facilities.

At the Amoskeag school the heating boiler was overhauled, new tubes were put in, and the brickwork around same was rebuilt. At the Ash-street school new screens were made for all windows requiring them and several new outside windows were made. At the Bakersville school considerable work was necessary, caused by the construction of the addition and alterations to this building. The portable school was moved to another site and repaired, and the temporary school fitted up with the necessary facilities and equipment. At the Brown school the basements were whitened and the woodwork refinished, all the tin roofs painted and the cement steps were rebuilt at the entrance. At the Chandler school the gutters and rain conductors were renewed and the roof repaired; new cement steps were built at the front entrance. At the Goff's Falls school the basements were whitened, steel ceilings put on and other minor improvements.

At the Hallsville school considerable work was done, the walls of the stairways and corridors were painted throughout the building, new improved stair treads were put on, the old ones being in bad condition, new wiring and fixtures for electric lights and steel ceilings were put on in all rooms of the building, in the school yard concrete walks were relaid, new retaining cement wall built, and a new fence built on the east side of the yard.

At the Harvey District school a new steel ceiling was put on, new floors laid and the interior painted. At the High school four rooms were partitioned off and heating service installed for same, a change was made in the wireless apparatus room, and the electric wiring on and about the stage in the assembly hall was rewired.

At the Lincoln-street school the exterior of the building and the fire escapes were painted, also the hallways and several of the class rooms. The boiler was overhauled and the brickwork relaid, and the walks in and about the school yard were relaid.

At the Maynard school all the basements were whitened and the woodwork painted, also in several of the class rooms and hallways the ceiling and walls were painted.

At the North Main-street school the boiler was overhauled and repaired and the brickwork relaid, a steel ceiling was placed over the boiler and the concrete walks in the schoolyard were patched.

At the Peal-street school new gutters were made and put on, the roof repaired, snow guards put on, and the walks in the schoolyard were patched.

At the Rimmon school the basement was whitened and all woodwork refinished and a portion of the basement walls sheathed, and some patching done on the walks in the schoolyard.

At the Spring-street school the boiler was overhauled, new grates put in, and new cement walks laid in the schoolyard.

At the Straw school new stair treads were put on, the gutters and rain conductors were renewed, and a new cement cap placed on chimney.

At the Varney school the fire escapes were painted, the rain conductors renewed, a portion of the slate roof relaid, wiring for new lights in the new addition and the concrete walks in the schoolyard repaired.

At the Webster Mills school a new shed was built and other minor improvements. At the Webster-street school a considerable amount of work was done, new wiring and fixtures for electric lights on the first floor, and four steel ceilings put on, new windows throughout the entire building, new cement cap on the chimney, concreting in the basement and the walks relaid in the school yard.

At the Wilson-street school the motors which operate the ventilating fans were replaced with new ones, new stair treads, several steel ceilings put on, the walls and ceilings in the hallways were painted, the basements whitened and all woodwork refinished.

At the Youngsville school the basement was whitened and the woodwork refinished.

In the different departments of the Central fire station many improvements were made: in Truck 1 and Hose 1, new bathrooms were finished off and the necessary fixtures and heating facilities installed; also the walls of the hallway of Truck 1, were refinished, new cupboards were built in chemical room. Repairs were made in the old rooms and several new rooms were finished off in Engine 4; also at Engine 1 and Hose 1 new lavatories and radiators were installed and a new storeroom was built in Hose 1, and many other minor improvements was made in this building during the year.

At the Fire King engine house a new floor was laid in the stable. At Lake avenue Engine 3, a new coalbin was built and heating service installed in the barn. At Hose 2, Maple street, a new heating stove and a hot-water heater were installed. At Engine 7, Somerville street,

new radiator shields were put on, and new wiring and electric fixtures installed in hallway.

At Engine 5, Webster street, a new waste sink was installed, piping for hot water, the cement and concrete around the building was relaid, and a new cement slab was placed over the coal pocket.

At Combination 2, a hot-water heater was installed; also one at Truck 8, and new screens were made for this building.

At the city hall two storage vaults were constructed in the basement, a new radiator was installed in the assessors' office, and alterations were made in the building department office.

At the police station the steam piping in the prison part was renewed and all of the cells painted, electrical work was done in the tramps room, a new horse trough and harness sink was installed in the stable, new storerooms and cupboards were built in the basement, improvements were made in the matron's room and material purchased for wiring in prison part, and cement work was done at entrance driveway to women's and children's ward.

The estimated valuation of the tools and equipment owned by the city and located at the building department workshop are as follows:

1 No. 50 Special patent band saw.....	\$200.00
1 20" hand planer and jointer	220.00
1 No. 187 double circular saw	235.00
1 surfacer	115.00
1 boring and drilling.....	78.00
1 key grinding machine	15.00
1 edger	50.00
Emery wheels	35.00
Motors	400.00
Pulleys, shafting and belts	95.00
Tools for various classes of work.....	150.00
	<hr/>
	\$1,583.00

STOCK ON HAND AT SHOP.

Stock on hand December 31, 1915.....	\$556.45
Stock received in year 1916	4,552.05
	<hr/>
	\$5,108.50
Issued from stock, 1916.....	2,617.44
	<hr/>
On hand December 31, 1916.....	\$2,491.06

OFFICE EXPENDITURES.

Salaries	\$4,170.50
Stationery and supplies.....	470.55

Department automobile No. 1 (maintenance)	\$139.95
Department automobile No. 2 (first cost)	804.90
Automobile insurance	90.74
Telephone service	7.95
Miscellaneous .....	.58
	<hr/>
	\$5,685.17
Balance returned to general fund	49.83
	<hr/>
Total amount of appropriation	\$5,735.00

FINANCIAL STATEMENT.

EXPENDITURES FOR REPAIRS OF PUBLIC BUILDINGS.

Appropriation, repairs of public buildings	\$27,000.00
Credited to Repairs of Building Department.....	*752.00
	<hr/>
	\$27,752.00
Expenditures for material, tools and equip- ment	\$16,487.15
Expenditures for labor	10,869.97
	<hr/>
	27,357.12
	<hr/>
Returned to unappropriated money.....	\$395.78

On the following pages of this report will be found tables, showing the expenditures for labor and material for the different classes of work done on the various public buildings of the city for the past year, including work done for the school department, also a record of the building permits, the nature of the structure for which they were granted and the estimated cost of the building operations.

AMOSKEAG SCHOOL.

Steamfitting	\$120.08
Carpentry	2.14
Plumbing .....	.88
Electrical	4.56
Masonry	11.42
Setting glass	1.79
	<hr/>
	\$140.87

*NOTE. The amount shown in the above statement as a credit to Repairs of Public Buildings appropriation is for work done for the School Department. (See tables.)

ASH-STREET SCHOOL.

Carpentry	\$45.67	
Plumbing	8.47	
Setting glass	23.28	
Electrical	13.58	
Roof repairs	18.84	
Outside windows	22.58	
Steamfitting	6.31	
Painting	4.86	
Labor and material for school department...	2.43*	
		<hr/>
		\$146.02

BAKERSVILLE SCHOOL.

Carpentry	\$11.18	
Plumbing	14.35	
Masonry	28.30	
Steamfitting	54.25	
Electrical	2.94	
Setting glass	4.23	
Fitting up temporary school and moving portable schoolhouse	304.32	
New temporary toilets	112.40	
Labor and material for school department...	10.28*	
Miscellaneous, removing snow and ice from roof, etc.	32.50	
		<hr/>
		\$574.75

BROWN SCHOOL.

Electrical	\$27.56	
Carpentry	16.44	
Plumbing	9.19	
Steamfitting	25.32	
Painting	25.26	
Setting glass	19.90	
Labor and material for school department...	1.51	
New cement steps	41.91	
Painting and whitewashing basement.....	59.00	
		<hr/>
		\$226.09

CHANDLER SCHOOL.

Carpentry	\$15.02
Setting glass	37.79
Plumbing	7.97
Steamfitting	2.95
Painting	7.21
Outside windows	6.58

Electrical	\$4.17	
Miscellaneous, cleaning snow and ice from roof, etc.	16.44	
New gutters and rain conductors.....	232.28	
Cementing and concreting sidewalks.....	42.92	
	<hr/>	\$373.33

FRANKLIN-STREET SCHOOL.

Carpentry	\$10.71	
Painting	12.46	
Electrical	14.03	
Plumbing	10.08	
Setting glass	6.76	
Steamfitting	13.35	
Outside windows	9.98	
Roof repairs	15.24	
Masonry	31.37	
	<hr/>	\$123.98

GOFF'S FALLS SCHOOL.

Painting	\$14.16	
Carpentry	25.05	
Steamfitting	2.33	
Plumbing	1.44	
Setting glass	16.11	
Electrical	12.43	
Outside windows	3.08	
Roof repairs	3.52	
Whiting basement	42.07	
Steel ceilings	98.36	
Labor and material, school department.....	24.08*	
	<hr/>	\$242.63

HALLSVILLE SCHOOL.

Plumbing	\$30.81	
Setting glass	2.18	
Carpentry	20.84	
Painting	15.52	
Steamfitting	8.14	
Electrical	43.26	
Roof repairs	4.75	
Outside windows	11.05	
Masonry	8.29	
New fence	88.26	

Painting walls and hallways.....	\$92.25	
New stair treads	191.46	
Wiring for new lights	721.18	
Steel ceilings	672.34	
Cementing and concreting sidewalks.....	423.06	
Labor and material, school department.....	7.03*	
		<hr/>
		\$2,340.42

HARVEY DISTRICT SCHOOL.

Painting	\$25.05	
Plumbing	15.05	
Setting glass	1.33	
Outside windows	4.93	
Repairing stovepipe, cleaning vault, etc.....	12.29	
New floors	70.70	
Steel ceilings	80.20	
		<hr/>
		\$209.55

HIGH SCHOOL.

Plumbing	\$41.55	
Steamfitting	22.28	
Carpentry	100.65	
Electrical	15.44	
Setting glass	1.67	
Outside windows	4.97	
Cleaning snow from gutters, etc.	4.88	
New radiation	91.43	
Fitting up new rooms	183.92	
Improvements to wireless apparatus room....	8.32	
New wiring on stage	80.72	
Labor and material for school department (fitting up Domestic Science rooms).....	440.71*	
		<hr/>
		\$996.54

HIGHLAND SCHOOL.

Carpentry	\$6.60	
Setting glass	7.44	
Plumbing	17.02	
Steamfitting	14.72	
Painting	17.67	
Electrical	6.35	
Cleaning vault and repairing concrete.....	49.49	
Outside windows	2.64	
		<hr/>
		\$121.93

LINCOLN-STREET SCHOOL.

Carpentry	\$79.79	
Steamfitting	23.08	
Setting glass	9.55	
Outside windows	16.15	
Plumbing	3.52	
Masonry	30.52	
Electrical	8.99	
Painting exterior	299.50	
Painting interior	256.79	
Cementing and concreting sidewalks.....	106.49	
		<hr/>
		\$834.38

MANUAL TRAINING SCHOOL.

Carpentry	\$6.59	
Plumbing	3.72	
Electrical	9.29	
Setting glass	6.42	
Outside windows	5.10	
Repairing stoves and stovepipes.....	25.18	
Labor and material, school department.....	5.30*	
		<hr/>
		\$61.60

MAYNARD SCHOOL.

Electrical	\$16.99	
Plumbing	11.35	
Steamfitting	6.83	
Carpentry	31.36	
Setting glass	9.28	
Masonry	6.52	
Trucking	2.52	
Roof repairs	21.21	
New screens	13.92	
Painting exterior	285.42	
Painting and whitewashing basement.....	208.61	
Labor and material, school department.....	1.37*	
		<hr/>
		\$615.38

MOSQUITO POND SCHOOL.

Carpentry	\$3.60	
Setting glass	5.13	
Outside windows	1.76	
Cleaning vault and repairs on flag pole.....	6.52	
Labor and material, school department.....	7.45*	
		<hr/>
		\$24.46

NORTH MAIN-STREET SCHOOL.

Carpentry	\$37.18	
Steamfitting	26.32	
Setting glass	15.48	
Outside windows	5.76	
Roof repairs	4.94	
Masonry	22.11	
Plumbing	18.58	
Painting	12.77	
Electrical	3.78	
Steel ceiling over boiler	26.53	
Cementing and concreting sidewalks.....	91.26	
Labor and material, school department.....	5.61*	
		<hr/>
		\$270.32

PARKER SCHOOL.

Carpentry	\$15.20	
Painting	13.85	
Steamfitting	22.41	
Plumbing	3.96	
Setting glass	10.65	
Masonry	24.16	
Outside windows	5.07	
Labor and material, school department.....	.84*	
Making kitchen cabinet	43.85	
Cementing and concreting sidewalks.....	5.02	
		<hr/>
		\$145.01

PEARL-STREET SCHOOL.

Plumbing	\$4.32	
Steamfitting	4.16	
Carpentry	36.52	
Electrical	7.43	
Setting glass	5.22	
Outside windows	1.24	
New gutters and snow guards.....	584.22	
Cementing and concreting sidewalks.....	66.80	
		<hr/>
		\$709.91

RIMMON SCHOOL.

Carpentry	\$13.84	
Steamfitting	15.77	
Plumbing	9.88	
Painting	1.50	
Electrical	8.71	
Outside windows	6.49	

Setting glass	\$12.32	
Painting and whitewashing basement.....	46.35	
New sheathing partition in basement.....	54.66	
Cementing and concreting sidewalks.....	82.33	
		<hr/>
		\$251.85

SPRING-STREET SCHOOL.

Carpentry	\$3.76	
Electrical	2.84	
Plumbing	12.08	
Steamfitting	47.59	
Painting	10.97	
Roof repairs	95.20	
Outside windows	3.69	
Cementing and concreting sidewalks.....	107.24	
Labor and material, school department.....	45.18	
		<hr/>
		\$328.55

STARK SCHOOL.

Carpentry	\$3.50	
Plumbing	1.32	
Setting glass	3.28	
Outside windows	3.47	
Miscellaneous	1.32	
		<hr/>
		\$12.89

STRAW SCHOOL.

Carpentry	\$34.18	
Painting	37.74	
Plumbing	23.17	
Steamfitting	42.95	
Electrical	5.44	
Setting glass	11.02	
New gutters and conductors	456.27	
New chimney cap	202.10	
New cupboard	11.19	
New stair treads	177.64	
Labor and material, school department.....	64.81*	
		<hr/>
		\$1,066.51

VARNEY SCHOOL.

Carpentry	\$22.95	
Plumbing	22.50	
Painting	13.15	
Steamfitting	10.64	
Electrical	17.31	

Setting glass	\$19.49	
Outside windows	10.55	
New rain conductors and roof repairs.....	178.98	
Painting fire escapes.....	27.60	
Wiring for lights (new addition).....	39.26	
Making kitchen cabinet.....	38.84	
New cupboard	12.58	
Cementing and concreting sidewalks.....	66.64	
Labor and material, school department.....	36.75*	
		<hr/>
		\$517.24

WEBSTER MILLS SCHOOL.

Carpentry	\$7.24	
Painting	5.05	
Outside windows	2.64	
Repairing stove and cleaning vault.....	3.80	
Building new shed	70.56	
		<hr/>
		\$89.29

WEBSTER-STREET SCHOOL.

Carpentry	\$27.78	
Painting	50.23	
Steamfitting	56.24	
Plumbing	6.60	
Electrical	22.39	
Outside windows	26.01	
Roof repairs	8.02	
Cleaning snow from roof and repairing flag pole	5.58	
Setting glass	5.88	
Wiring for new lights	190.05	
Cement cap on chimney.....	63.24	
New windows and casings.....	459.31	
Putting on steel ceilings.....	262.20	
Concreting basement	39.88	
Cementing and concreting sidewalks.....	98.38	
		<hr/>
		\$1,321.79

WILSON-STREET SCHOOL.

Carpentry	\$68.36
Plumbing	40.72
Steamfitting	219.76
Electrical	38.84
Outside windows	6.29
Repairing roof, gutters and conductors.....	259.05

Trucking, cleaning snow from roof, etc.....	\$27.77	
Setting glass	32.84	
Painting hallways, etc.....	118.76	
Installing new motors.....	340.97	
New stair treads.....	115.18	
Steel ceiling	80.93	
Whitening basement	103.47	
Labor and material, school department.....	16.59*	
		<hr/>
		\$1,469.53

YOUNGSVILLE SCHOOL.

Carpentry	\$7.87	
Plumbing	9.19	
Steamfitting	39.20	
Electrical	6.24	
Setting glass	1.24	
Roof repairs	5.10	
Cleaning vault	24.88	
Painting and whitewashing basement.....	93.85	
Labor and material, school department.....	4.44*	
		<hr/>
		\$192.01

CENTRAL FIRE STATION.

Steamfitting	\$64.47	
Carpentry	158.69	
Plumbing	116.00	
Painting	12.20	
Stall repairs	167.54	
Setting glass	17.97	
Roof repairs	24.62	
Masonry	39.80	
New cupboards (chemical room).....	14.34	
Refinishing walls of hallway, Truck 1.....	66.12	
New bathrooms, Truck 1 and Hose 1.....	577.67	
Repairing old rooms, Engine 4.....	122.43	
New store room, Hose 1.....	107.93	
New rooms, Engine 4.....	438.68	
New rooms, Engine 1 and Hose 1.....	169.49	
New lavatories and radiators.....	196.00	
		<hr/>
		\$2,293.95

FIRE KING ENGINE 2.

Carpentry	\$16.42	
Plumbing	8.24	
Steamfitting	4.82	
Setting glass	5.90	
Stall repairs	23.76	

Roof repairs	\$53.57	
New floor in barn	29.95	
		<hr/>
		\$142.66

FULTON ENGINE HOUSE.

Carpentry	4.09	
Steamfitting	9.42	
Plumbing	22.28	
Stall repairs	42.56	
Setting glass	13.33	
		<hr/>
		\$91.68

HOSE 3, SOUTH MANCHESTER.

Carpentry	\$25.51	
Steamfitting	12.17	
Plumbing	4.40	
Masonry	26.00	
Setting glass	2.20	
		<hr/>
		\$70.28

INDEPENDENT HOSE, EAST MANCHESTER.

Plumbing	\$8.72
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LAKE AVENUE ENGINE 3.

Carpentry	\$2.56	
Setting glass	7.34	
Steamfitting	11.67	
Stall repairs	8.87	
Roof repairs	4.90	
New radiator in barn.....	28.46	
New coal bin	23.06	
		<hr/>
		\$86.86

MASSABESIC HOSE 2, MAPLE STREET.

Carpentry	\$5.09	
Plumbing	7.72	
Electrical	11.89	
Steamfitting	4.87	
Painting	91.57	
Stall repairs	25.73	
Installing new heater (stove).....	18.90	
Installing hot-water heater.....	23.39	
		<hr/>
		\$189.16

RIVERSIDE HOSE, AMOSKEAG.

Carpentry	\$0.88	
Plumbing	17.12	
		<hr/>
		\$18.00

ENGINE 7, SOMERVILLE STREET.

Carpentry	\$16.28	
Steamfitting	3.14	
Painting	67.54	
Electrical (new fixtures in hall)	61.84	
Stall repairs	53.54	
Setting glass	7.55	
Roof repairs	4.05	
Masonry	23.60	
Trucking	1.20	
New radiator shields	36.64	
		<hr/>
		\$275.38

MASSABESIC INDEPENDENT HOSE.

Carpentry	\$8.80	
Painting	1.13	
Electrical	13.66	
Miscellaneous	20.87	
New closet and vault	159.91	
Putting in new water pipe	32.33	
		<hr/>
		\$236.70

WEBSTER STREET ENGINE 5.

Carpentry	50.84	
Steamfitting	6.15	
Plumbing	14.36	
Stall repairs	46.71	
Setting glass	2.19	
Masonry	8.22	
Roof repairs	30.24	
Piping for hot water	6.83	
New waste sink	22.50	
Cementing and concreting sidewalks and cement slab over coal pocket	449.02	
		<hr/>
		\$637.06

WILSON HILL, COMBINATION 2.

Carpentry	\$0.82
Steamfitting	8.15

Plumbing	\$0.88
Setting glass	1.11
Installing hot-water heater.....	158.04

 \$169.00

TRUCK 8, SOUTH MAIN STREET.

Carpentry	\$49.58
Steamfitting	10.65
Plumbing	3.96
Miscellaneous .....	.20
New hot-water heater	133.92
New screens	28.98

 \$227.29

CITY HALL.

Carpentry	\$105.17
Steamfitting	17.76
Plumbing	7.65
Painting	86.04
Electrical	73.59
Setting glass	41.09
Roof repairs	26.78
New vaults in basement	321.89
New radiator (assessors' office).....	42.72
Door check (auditor's office).....	4.60
Alteration to building department office.....	47.63
Labor and material, school department.....	15.84*

 \$790.76

CITY SCALES.

Setting glass	\$1.37
Painting	2.72

 \$4.09

ISOLATION HOSPITAL.

Carpentry	\$35.07
Steamfitting	28.41
Plumbing	37.42
Painting	16.14
Setting glass	7.42
Outside windows	5.84
Roof repairs	8.42
Electrical	12.00
Miscellaneous	3.00

 \$153.72

OLD COURT HOUSE.

Carpentry	\$13.71	
Plumbing	3.14	
Steamfitting	6.49	
Painting	31.20	
Setting glass	23.46	
Outside windows	7.37	
Painting fire escapes	13.01	
	<hr/>	\$98.38

POLICE STATION.

Painting	\$16.43	
Steamfitting	24.81	
Plumbing	57.46	
Carpentry	203.43	
Electrical	11.23	
Setting glass	11.10	
Masonry	35.27	
Miscellaneous	13.11	
New steam piping (prison part).....	110.87	
New cupboard in bathroom.....	6.80	
Electrical (in tramp room).....	66.45	
Painting cells in prison part.....	221.98	
Cementing entrance driveway (women's and children's ward)	94.00	
Horse trough and harness sink.....	150.37	
Improvements in matron's room.....	9.85	
New store rooms	231.25	
New cupboards	24.02	
Material for wiring new prison.....	52.28	
	<hr/>	\$1,340.71

NEW PUBLIC LIBRARY.

Steamfitting	\$6.08
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OLD LIBRARY.

Carpentry	\$0.96	
Steamfitting	3.08	
Painting76	
Setting glass	8.74	
	<hr/>	\$13.54

PUBLIC BATH HOUSE.

Labor and material	\$181.47
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BATTERY BUILDING AND SHOP.

Repairs on building	\$108.85
Setting glass	12.35
Maintenance of shop	2,029.02
Care of fires	100.88
Electric power	27.10
Electric lights	47.84
Telephone service	8.45
	<hr/>
	\$2,334.49

PUBLIC COMFORT.

Carpentry	\$17.46
Steamfitting .....	.92
Electrical	5.50
Plumbing	25.52
Outside windows	2.66
Repairs to hot-water heater and smoke pipe..	34.21
Painting ceiling and roof.....	34.63
	<hr/>
	\$120.90

WARD 5, WARD ROOM.

New floor in entrance.....	\$6.74
Miscellaneous	3.62
	<hr/>
	\$10.36

WARD 2, WARD ROOM.

Carpentry	\$5.90
Plumbing	3.08
Setting glass	3.80
Miscellaneous	2.40
	<hr/>
	\$15.18

AUTO TRUCK.

Oil, gasoline, repairs and driving of car.....	\$671.49
Second-hand Cadillac for truck.....	400.00
	<hr/>
	\$1,071.49

BOOTHs.

Erecting and removing, repairs, etc.....	\$435.30
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DEPARTMENT AUTOMOBILE.

Oil, gasoline and repairs	\$190.59
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GENERAL REPAIRS.

Material and labor	\$249.15
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MISCELLANEOUS.

Liability and auto truck insurance	\$287.50	
Freight	31.83	
Trucking, etc.	8.69	
Street railway tickets.....	125.00	
	<hr/>	\$453.02

STOCK.

Charged direct	\$4,552.05	
Less stock issued.....	2,617.44	
	<hr/>	\$1,934.61

TOOLS AND EQUIPMENTS.

Charged direct	\$99.71
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TABLE SHOWING THE NUMBER OF PERMITS ISSUED EACH MONTH FOR
NEW BUILDINGS WITH THE ESTIMATED COST.

	Jan.	Feb.	Mar.	Apr.	May	June	July
Dwellings	8	8	8	24	34	31	28
Business	4	6	7	28	28	20	15
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	12	14	15	52	62	51	43

	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Dwellings	26	13	30	14	8 =	232
Business	11	27	30	23	6 =	205
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	37	40	60	37	14 =	437

ESTIMATED COST.

	Dwellings.	Business.
January	\$38,450	\$800
February	29,350	81,695
March	38,200	40,825
April	53,150	33,850

May	\$87,200	\$40,695
June	72,278	33,570
July	57,381	3,555
August	64,545	73,845
September	50,855	52,220
October	121,425	47,350
November	66,550	26,220
December	20,960	1,025
	<hr/>	<hr/>
	\$700,344	\$435,650

TABLE SHOWING THE NUMBER OF PERMITS ISSUED EACH MONTH FOR
ALTERATIONS, ENLARGEMENTS AND REPAIRS OF OLD BUILDINGS.

	Jan.	Feb.	Mar.	Apr.	May	June	July
Dwellings	14	14	26	54	65	46	32
Business	10	10	22	42	32	30	18
	—	—	—	—	—	—	—
	24	24	48	96	97	76	50
		Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Dwellings		34	30	40	18	12	= 385
Business		21	36	21	24	18	= 284
		—	—	—	—	—	—
		55	66	61	42	30	= 669

ESTIMATED COST.

	Dwellings.	Business.
January	\$7,259	\$4,175
February	7,375	6,635
March	9,345	17,235
April	22,910	14,117
May	25,158	13,570
June	13,578	18,276
July	18,430	8,145
August	13,325	13,091
September	19,273	16,188
October	17,289	8,925
November	5,440	12,181
December	5,435	14,780
	<hr/>	<hr/>
	\$164,817	\$147,318

Total expenditures for all building operations during 1916	\$1,448,129
Number of building permits issued during the year.....	1,106
Number of permits issued for electric signs.....	13

Number of fire escapes erected.....	49
Number of inspections made during the year.....	8,017
Number of permits refused	3

CLASSIFIED PERMITS ISSUED DURING THE YEAR.

	No.	Cost.
Number of permits issued to build wooden buildings, including veneered buildings.....	409	\$734,489
Additions, alterations and repairs to wooden buildings	618	233,485
Number of permits issued to build brick or hollow tile buildings	26	400,995
Additions, alterations and repairs to brick or hollow tile buildings	51	78,780
Number of permits to build stone buildings..	1	200
Steel skeleton buildings (private garage)....	1	180
Total for fire-resisting buildings.....	79	480,155
Total for wooden buildings	1,027	967,974
Grand total	1,106	\$1,448,129

Respectfully submitted,

JAMES A. ROGERS,
Superintendent of Buildings.

REPORT OF THE TRUSTEES OF
CEMETERIES AND CEMETERY
FUNDS.

REPORT OF THE TRUSTEES OF CEMETERIES.

To the Trustees of Cemeteries and the Board of Mayor and Aldermen:

GENTLEMEN—In behalf of the Board of Sub-Trustees of the Pine Grove Cemetery I present the following as their report for the year 1916:

The year 1916 was an average year in the amount and nature of the work done in the maintenance of the Pine Grove Cemetery. No new undertaking of great size was begun, but the ordinary amount of care and labor was required of Superintendent Erskine and his corps of assistants to keep the appearance of the grounds up to the standard of preceding years and to meet the every-day demands of a constantly enlarging cemetery. The average number of men employed during the year was twenty-four and during the summer months more could have been advantageously used than were available.

The Trustees of the Cemetery Fund contributed their customary one thousand dollars for permanent improvements and thus earned the thanks of the Sub-Trustees and the public. Owing to the inability of the railroad to transport the necessary crushed stone, some of the macadamizing of avenues which was to be paid for out of this fund was not completed, but will be done the coming spring. However, about four thousand square yards were prepared, the foundation of broken stone was laid and some twelve carloads of crushed granite were used. All the avenues received the usual care of rolling and watering when needed, and seventy-five drums of calcium chloride and two casks of weed killer were spread upon them.

Much needed repairs were made on some of the buildings, such as inside painting and papering; and five dwelling houses, the green-houses, the rest house and the store house in the grounds were painted outside. The iron fence was thoroughly repaired. Some thirty lengths on the Calef road side were reset to the grade of the highway and the whole four thousand feet on both Calef road and Brown avenue were painted. The tower of the chapel was taken down to the roof and rebuilt and necessary pointing of the stone work of the building was done. Preparation for a fence along Mitchell street, the northern boundary of the cemetery, was begun. Some one hundred eighty-two cement posts were set and wire for the fence has been purchased to be put in place the coming season. About six hundred

cement corner bounds for lots were set in different parts of the ground.

The grading and seeding of Lakeview Lawn were completed. About seventy-five feet were added to the single grave section and over five hundred loads of loam were removed from the proposed extension to Evergreen Lawn, preparatory to filling and grading, a thousand loads of sand having been drawn to fill this section. Nearly twenty thousand square feet of paths and borders in the old part of the cemetery south of Chessom avenue were brought up to grade, covered with loam and seeded to grass. Loam to the extent of about five hundred loads was purchased and piled for future use.

For the work of grading during the season, two hundred thirty-one loads of clay, eight hundred forty loads of loam, twenty-five loads of gravel, two tons of commercial fertilizer and thirty-eight cords of stable dressing were used, while more than two thousand nine hundred and fifty loads of sand were handled. Some of the perpetual care lots needed regrading and fifteen private lots, together with the adjoining paths and borders, were also brought to grade and put in proper condition.

From the tract north of Walnut avenue a large amount of stone was taken and will be of use in the future for foundations and in the macadamizing of avenues.

During the year six hydrants and one drinking fountain were placed to accommodate the section around Lakeview Lawn and nine old hydrants were repaired and some seven hundred and eleven feet of drain pipe were laid and nine cesspools were built. Owing to the fact that the early part of the season was very wet, much extra work was caused by the settling of graves, nearly eight hundred needing to be refilled.

The trees and shrubs in the grounds were given special attention, one man being employed for the greater part of the season in transplanting, trimming, and generally caring for them. There were set out one hundred and fifty-one evergreens and one thousand one hundred and eighty-six shrubs from the cemetery nurseries, and six thousand tulip bulbs were planted.

In the removal of brown-tail and gypsy moth nests the usual amount of work was necessary. While there was a noticeable decrease in the number of brown-tail moths, the gypsy moths increased in number about seventy-five per cent over 1915. It is estimated that the value of the plants used in the grounds, mostly the product of the green-houses and nurseries, was \$2,275.

During 1916 the number of interments was four hundred and twenty, making a total of eleven thousand four hundred and forty-five to December 31. Of the interments twenty-five were in the single grave section and one hundred and fifty in the Field of Manesquo.

Removals were made from twenty-one graves to others in the cemetery, and four to other cemeteries, while eleven bodies were removed from other cemeteries to the Pine Grove.

Foundations were laid for seventy monuments and one hundred and thirty-one headstones, and thirty-eight cement vaults were set.

The whole number of lots sold up to January 1, 1916, was three thousand five hundred and forty. During the year there were sold eight lots on Chapel Lawn, thirty-three on Spruce Lawn, sixteen on Evergreen Lawn and five on Lakeview Lawn, all under perpetual care, and three on Birch Lawn under perpetual semi-care, making three thousand six hundred and five lots sold up to December 31, 1916. Single graves were sold to the number of twenty-eight in the single grave section and eleven on Swedish Lawn, making a total sold to December 31 of two hundred and twenty-eight in the Single Grave Section and two hundred and thirty-two on Swedish Lawn. There were unsold but ready for sale on December 31, fifty graves in the former section and three hundred and fifty-eight on the latter lawn. There remained plotted and ready for sale lots as follows: twenty-eight on Chapel Lawn, four on Lakeside Lawn, seventeen on Spruce Lawn, seventy-seven on Evergreen Lawn and twenty-seven on Lakeview Lawn, all under perpetual care, thirty-three on Birch Lawn under perpetual semi-care, four on Acacia Lawn and eight on Swedish Lawn, of which the care is at the owner's expense; one hundred and ninety-eight lots in all. During the year four hundred and thirty-six of the old ordinary lots were cared for and the owners paid for the labor and water. The number of lots under perpetual care is one thousand two hundred and twenty-seven and under perpetual semi-care six hundred and sixteen, so that only a few more than three hundred of all the lots were uncared for.

The receipts for 1916, which went into the city treasury, were as follows: for water and care of lots \$6,227.63; for interments, \$1,367.50; for removals, \$60, for extra labor (grading lots, foundations, etc.) \$1,764.86; for water at houses, \$13; for use of chapel, 9 times, \$27; from sale of flowers, \$643.45; for rent of tenement houses, \$910.37; from sale of lots, \$3,337.79; and for sundries, \$171.39, making a total of \$14,522.99.

The Merrill Yard was looked after during the year as usual and the cash receipts from the same were \$76.

The foregoing covers in a general way the record for 1916, and the Sub-Trustees feel that the results were such as to justify the expenditure of the public money required to produce them.

Respectfully submitted,

(Signed)

EDWIN F. JONES,

Clerk.

To the Trustees of Cemeteries and Board of Mayor and Aldermen of Manchester, N. H.:

Your trustees in heretofore reporting what has been accomplished by them at the Valley Cemetery, have been unable to refer to any large undertakings, but during the past year, through the active assistance of the Board of Public Works they are pleased to state that Willow street is now an accomplished fact, having been cut through and graded to Valley street. While all of this is of course outside the cemetery, its results to our citizens are twofold, in affording new means of access to the grounds, and in allowing your trustees to make further progress in the erection of an iron fence along this new highway, as has been so generously provided for by the widow of the late Governor Currier. And in referring to this matter, your trustees are pleased to state that in connection with the executor of the will of Mrs. Currier, steps have been taken looking to the erection of such fence and curbing, which it is hoped will be fully completed this coming summer. Some part of the work relating to the inside curbing and the fence will undoubtedly be done by the cemetery employees and it would seem to be an imperative necessity that when the new iron fence on Willow street is thus completed, the old fence on Auburn, Pine and Valley street sides be repainted, to correspond therewith, for which undoubtedly we shall have to ask for an extra appropriation.

Of new work inside the cemetery we would call attention to the new fifty foot bridge across the lower or western end of the brook, with its concrete retaining walls in the brook, some three feet at the bottom and two feet at the top. Said bridge is suitably buttressed, and of wood construction. This new structure has added materially to the usefulness and safety of the driveway as well as to the brook itself, the channel of which has been cleaned out, some fifty loads of sand having been removed from its bed.

Since the gift by Mrs. Eliza B. Green of the new beautiful gateway entrance, which was referred to in last year's report, there has been built in connection with the same, and by your trustees, a suitable cement roadway.

The chapel has been improved by its new coat of paint, applied both inside and out.

In what might be properly designated as the usual routine work, our efficient superintendent has kept three men occupied all of the year and an additional four men something like eight months of the year. They have set out thirty-five evergreen trees, painted five fences, two bridges, and regraded five private lots, besides looking after lots under perpetual care and annual care. We are again pleased to report an additional number of lots placed under perpetual care, we now having in all three hundred and eight, an increase of

eleven during the year just ended, while the number of lots under annual care are two hundred and seven, two more than were reported last year. About eighty per cent of the appropriations, made by the city for this cemetery is thus expended for labor in the mere upkeep work, though the actual expense to the city is not nearly that amount, for the city receives a substantial income from the care of lots, tomb fees, interments, etc., amounting this year to \$2,112.16 showing a slight increase over the receipts of the year 1915, from the same sources—the particulars of which may be found in the Treasurer's report.

The Superintendent this year tried the experiment of using a new weed killer and with most excellent results—the one barrel used taking care of about a mile and a half of our driveway at an expense of some fifty dollars. Under the old method it is estimated that the cost of doing the work would have been some two hundred dollars.

In any cemetery as old as the "Valley," where no new lots are obtainable, there is a certain uniformity of detail and so we find that the number of interments during the twelve months has been four less than last year, or thirty-one in all, while the number of bodies placed in the tomb, thirty-eight, were two more than for the year 1915.

Respectfully submitted for and in behalf of the Trustees,

(Signed)

FRANK C. LIVINGSTON,

Clerk.

REPORT OF THE TRUSTEES OF AMOSKEAG CEMETERY FOR THE YEAR 1916.

Appropriation for the year.....	\$300.00
Expenses:	
George C. Harwood, labor.....	\$138.00
Peter Sefton, labor.....	81.00
Flowers	5.00
Lawn mower	5.00
	<hr/>
	\$229.00
Balance, December 30, 1916.....	71.00
	<hr/>
	\$300.00
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There have been four burials during the year, and the receipts amounted to \$12.

(Signed)

GEO. C. HARWOOD,

Superintendent.

REPORT OF TREASURER.

To the Trustees of Cemeteries:

I herewith present to you the annual report of money received for the year ending December 31, 1916.

Pine Grove Cemetery.

	Dr.			
	Interest.	Price of Lots.	Permanent Fund.	Total.
John E. Herring.....	.....	\$32.24	\$88.66	\$120.90
Grover C. Gale.....	.....	40.00	110.00	150.00
A. Selma Pearson .....	.....	36.13	99.35	135.48
Charles E. Bartlett and Wil- liam R. Gillan .....	.....	56.05	154.13	210.18
Gustafva Lundberg .....	.....	44.20	121.55	165.75
Herbert R. McGregor.....	\$1.57	31.37	86.28	119.22
John F. Clough and Eugene F. Clough .....	.....	61.28	245.14	306.42
Clarence M. Woodbury.....	.....	55.28	221.12	276.40
Amy L. Waite and Frank P. York	5.05	22.40	61.60	89.05
Herman E. Stache	1.45	45.45	124.99	171.89
Carrie S. Reynolds.....	2.00	28.40	78.10	108.50
Henry H. and Arthur O. May- nard .....	.....	44.20	121.55	165.75
Frank P. Stevens.....	.....	64.62	258.50	323.12
Isaiah W. Davis .....	.....	34.00	93.50	127.50
Lewis F. Prescott.....	.....	27.80	76.45	104.25
Addie L. Riedell.....	.....	69.16	276.64	345.80
Sarah A. Dewey.....	.....	35.40	97.35	132.75
Mrs. Pauline Scheffel.....	.....	28.99	79.71	108.70
Daniel S. Wescott.....	.....	32.93	90.54	123.47
Bessie M. Clair .....	.....	35.20	96.80	132.00
Lovica E. Gove.....	.....	72.21	288.84	361.05
Edwin A. Stratton and Louise Rollins	4.25	56.80	227.20	288.25
William E. Burbank.....	.....	51.74	142.29	194.03
Melvin K. McLaughlin and Al- len P. Walker .....	.....	49.75	136.82	186.57

	Interest.	Price of Lots.	Permanent Fund.	Total.
George H. Bugbee.....	\$0.91	\$38.60	\$106.15	\$145.66
Barbara Netsch .....	.....	42.84	117.81	160.65
Burton H. Avery.....	.....	96.00	384.00	480.00
Charles B. Dow.....	2.38	36.13	99.35	137.86
William H. Marshall.....	.....	44.20	121.55	165.75
Edward Knoetig .....	.....	28.00	77.00	105.00
Flora M. Hoyt.....	3.50	62.18	170.99	236.67
A. Jessie Hook.....	.....	20.00	55.00	75.00
Henry Volkmann .....	.....	35.80	98.45	134.25
Jessie Ericksen .....	.....	28.40	78.10	106.50
Elizabeth Carlin Milnes .....	.....	20.00	55.00	75.00
Estate of John Johnson.....	.....	34.35	94.47	128.82
William Rennie .....	.....	26.00	71.50	97.50
Anna Ploss .....	.....	33.60	92.40	126.00
Almon Dennison .....	.....	35.00	96.25	131.25
Kate C. Hall .....	.....	44.20	121.55	165.75
James G. Williams.....	.....	26.00	71.50	97.50
James Leggat .....	.....	100.80	403.20	504.00
Robert Leggat .....	.....	112.00	448.00	560.00
Alice A. Bingham.....	1.45	33.60	92.40	127.45
George M. Dumbleton.....	.....	34.00	93.50	127.50
Gottfried Matzenauer .....	.....	28.20	77.55	105.75
Charles A. Adams.....	.....	86.34	345.35	431.69
Frank D. Cady.....	.....	20.00	55.00	75.00
Sanborn T. Worthen.....	18.52	37.38	102.79	158.69
Estate of Harriet P. Quimby..	3.08	35.60	97.90	136.58
Harriet F. Burpee.....	.....	20.00	55.00	75.00
Emma J. Gage.....	.....	71.83	287.32	359.15
Thomas H. Powers.....	.....	33.70	92.68	126.38
George F. Sargent.....	4.00	82.86	331.44	418.30
Lorenz Drescher .....	.....	30.00	82.50	112.50
Parker R. Brown.....	.....	32.70	89.95	122.65
Addie M. Millard.....	.....	20.00	55.00	75.00
Orra M. Philbrick.....	3.90	34.00	93.50	131.40
Arthur K. Gleason.....	.....	47.71	131.21	178.92
John S. Fellows.....	.....	73.10	292.42	365.52
Clara A. Fellows.....	.....	26.00	71.50	97.50
Laura Bailey	1.17	34.00	93.50	128.67
Mrs. Frank L. Rouse.....	11.69	39.00	48.75	99.44
Lottie E. Robinson.....	9.65	46.06	57.58	113.29
James R. Person.....	.....	37.66	47.08	84.74
August Zindt .....	.76	28.87	36.09	65.72
Louis Keilig .....	.....	29.15	36.44	65.59
Harry E. Norris	5.88	26.40	33.00	65.28
Sidney E. Gibson.....	9.99	28.85	36.06	74.90

	Interest.	Price of Lots.	Permanent Fund.	Total.
Henry Riedell.....	\$0.63	\$26.85	\$33.56	\$61.04
Arthur W. Fisher	10.00	8.00	18.00
Edward Totte	10.00	8.00	18.00
John W. Riley	10.00	8.00	18.00
Geo. E. Skoglund.....	10.00	8.00	18.00
John Van Vaerenewyck	10.00	8.00	18.00
Evangelos Sideris	10.00	8.00	18.00
William Lincoln	20.00	16.00	36.00
George J. Clement	10.00	8.00	18.00
Dennis Tseklenis	10.00	8.00	18.00
Estate of James A. Harlan....	10.00	8.00	18.00
Frank F. Bennett.....	10.00	8.00	18.00
Alfred Beals	10.00	8.00	18.00
Otto Hohensee	10.00	8.00	18.00
Christian Solger	10.00	8.00	18.00
Charles Thumbloom	10.00	8.00	18.00
Estate of Forest Chapman....	10.00	8.00	18.00
Harry Smith	10.00	8.00	18.00
James Rehas	10.00	8.00	18.00
Charles Walsch	20.00	16.00	36.00
Lena Celen	20.00	16.00	36.00
Harry Davidson	10.00	8.00	18.00
Albert Barr	10.00	8.00	18.00
Mary A. Page	10.00	8.00	18.00
Interest	\$91.83	.....	.....	.....
Sale of lots	\$3,245.96	.....	.....
Permanent fund	\$9,278.05	.....
Total receipts, sale of lots	\$12,615.84
J. H. Erskine Supt., care of lots	11,185.20
				<u>\$23,801.04</u>

CR.

By amount paid to Cemetery fund:

Perpetual care lots.....	\$8,741.49	
Partial perpetual care lots.....	328.56	
Single grave section	208.00	
		\$9,278.05
Treasurer's receipts for amount paid to city.....		3,337.79
Superintendent's receipts for amount paid to city.....		11,185.20
		<u>\$23,801.04</u>

Valley Cemetery.

E. C. Smith, superintendent, care of lots.....	\$2,112.16
Fred L. Allen, treasurer, sale of path.....	15.00
	<hr/>
	\$2,127.16
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Merrill Yard Cemetery.

J. H. Erskine, superintendent, care of lots.....	\$76.00
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Respectfully submitted,

FRED L. ALLEN,

Treasurer Trustees of Cemeteries.

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same correctly cast and vouched for.

JAMES E. DODGE,
City Auditor.

To the Trustees of the Cemetery Fund:

GENTLEMEN—I herewith submit to you the thirty-fourth annual report of the funds received and expenses paid to January 1, 1917.

Pine Grove Cemetery.

Amount of permanent fund January 1, 1916.....	\$189,735.95
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RECEIPTS DURING THE YEAR.

Frank Dow Clark, Admr.....	\$100.00
Charles E. Simpson.....	100.00
Richard P. Burke.....	121.60
Exr. Mary Koehler.....	100.00
W. K. Stockdale.....	100.00
Frank E. Leavitt.....	108.00
Myra P. Higgins.....	140.00
F. E. Bailey, Admr.....	100.00
John W. Dolloff.....	100.00
Mrs. Gertrude Senter.....	100.00
Mary E. Bunton.....	116.70
M. Clayton Thrush, Exr.....	75.00
Sara L. Plummer.....	144.00
W. E. Prescott.....	152.00

Leroy A. Hunt, Exr.....	\$100.00
Stephen J. and Helen M. Putnam.....	144.00
Geo. C. Penniman and Maud J. Abbott.....	100.00
Elizabeth C. Webster, Exr.....	144.00
Est. Amelia S. Walker.....	120.00
Est. Duncan P. Wallace.....	100.00

TRANSFERRED FROM PINE GROVE CEMETERY RECEIPTS.

Perpetual care lots.....	\$8,741.49
Partial perpetual care lots.....	328.56
Single grave section.....	208.00
	<hr/>
	\$11,543.35
	<hr/>
	\$201,279.30
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By bonds on hand.....	\$175,750.00
By cash on hand.....	25,529.30
	<hr/>
	\$201,279.30
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INCOME ACCOUNT.

Income on hand January 1, 1916.....	\$9,788.79
Interest, savings bank.....	\$437.09
Interest, savings bank, partial perpetual care lots	334.92
Interest, savings bank, single grave section	64.21
Interest, Manchester bonds.....	6,875.50
Interest, Manchester bonds, partial perpetual care lots	280.00
	<hr/>
	7,991.72
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	\$17,780.51
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EXPENSES PAID DURING THE YEAR.

J. D. French.....	\$213.00
Empire Marble and Granite Cleaning Co....	11.25
Empire Marble and Granite Cleaning Co....	374.15
W. E. Dunbar & Sons.....	66.00
J. H. Erskine, Superintendent, care of per- petual care lots for the year 1916.....	4,146.00

J. H. Erskine, Superintendent:

Care of Hillside Lawn	\$614.92	
Care of Woodside Lawn.....	64.21	
Care of Ingham lot	20.00	
Care of Eleanor Annis lot	4.00	
Care of Ellen Washburn lot	3.00	
L. P. Tremblay	18.00	
		\$5,534.53
Cash income on hand		12,245.98
		<u>\$17,780.51</u>

Valley Cemetery.

Amount of permanent fund January 1, 1916..... \$46,237.37

RECEIPTS DURING THE YEAR.

M. S. Bennett, Exr. Est. Louisa Bachelder...	\$300.00	
Chas. H. Downing, Exr. Est. Lizzie S. Mayhew	50.00	
Elizabeth H. Burnham, Admr.....	132.00	
S. J. Kidder.....	168.00	
Carrie Ried	168.00	
Mrs. Addie M. Nourse.....	115.20	
James B. Towle, Exr.....	120.00	
Mrs. W. H. Topping.....	120.00	
Mrs. K. Chapin Higgins.....	120.00	
		1,293.20
		<u>\$47,530.57</u>

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By bonds on hand	\$42,700.00	
By cash on hand	4,830.57	
		<u>\$47,530.57</u>

INCOME ACCOUNT.

Income on hand January 1, 1916.....	\$9,680.04	
Interest, savings bank.....	\$420.22	
Interest, Manchester bonds.....	1,610.00	
		2,030.22
		<u>\$11,710.26</u>

EXPENSES PAID DURING THE YEAR.

John B. Varick Co.....	\$54.00	
W. E. Dunbar & Sons.....	33.00	
H. L. Haynes	38.00	
Pine Grove cemetery.....	42.50	
E. C. Smith, Superintendent, filling vase and cleaning monument	10.00	
E. C. Smith, Superintendent, care of per- petual care lots for 1916.....	1,205.00	
		\$1,382.50
Cash income on hand.....		10,327.76
		<u>\$11,710.26</u>

Merrill Yard Cemetery.

Amount of permanent fund January 1, 1916.....		\$1,487.89
Chas. J. Hadley, Exr.....	\$100.00	
Eliza B. Green.....	100.00	
James B. Towle.....	100.00	
Cleaves N. Harvey.....	100.00	
John W. Boone, Admr.....	100.00	
		<u>500.00</u>
		<u>\$1,987.89</u>
		<u><u>\$1,987.89</u></u>

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By bonds on hand.....	1,250.00	
By cash on hand.....	737.89	
		<u>\$1,987.89</u>
		<u><u>\$1,987.89</u></u>

INCOME ACCOUNT.

Income on hand January 1, 1916.....		\$587.17
Interest, Manchester bonds.....	\$52.50	
Interest, savings bank.....	33.60	
		<u>86.10</u>
		<u>\$673.27</u>
		<u><u>\$673.27</u></u>

EXPENSES PAID DURING THE YEAR.

J. H. Erskine, Superintendent, care of per- petual care lots.....	\$53.00	
Cash income on hand.....	620.27	
		<u>\$673.27</u>
		<u><u>\$673.27</u></u>

Piscataquog Cemetery.

Received from the Piscataquog Cemetery Association on December 1, 1916, the sum of sixty-eight hundred dollars and eight cents (\$6,800.08), this sum representing the original amounts for the perpetual care of lots and the interest accumulations to December 1, 1916.

	Fund.	Income.
C. K. Walker	\$100.00	\$77.95
Harriet Walker	52.32	17.90
Gilman Riddle	200.00	49.12
Sarah P. Gage	100.00	47.45
Mary P. Harris	500.00	516.67
Nancy Barr	400.00	77.87
Water fund	100.00	27.12
Mary M. Libbey	75.00	24.84
Eliza Harvell	125.00	27.50
Levi Dodge	100.00	22.00
Allen N. Clapp	300.00	50.78
Isaac Parker	80.00	22.94
Henry Barrett	100.00	22.00
Mrs. C. McCulley	100.00	20.27
Abby M. Brooks	100.00	22.00
S. F. Worthen	50.00	13.16
Frederick C. Leaman.....	100.00	22.00
Dr. J. P. Walker..	50.00	16.87
Susan M. Tilton	100.00	21.02
H. E. Sturtevant.....	50.00	12.15
Edward R. Walker	50.00	11.96
Betsey W. Bryant	50.00	11.42
Mary Etta F. Shepard.....	50.00	13.36
Marcus Fogg	75.00	18.21
Stephen M. Wilson.....	100.00	17.87
Geo. S. Eastman.....	1,000.00	108.23
Asa Pratt Miller.....	100.00	15.39
Mrs. John Chapman.....	33.00	3.88
H. C. Ranno	100.00	11.51
Wm. P. Buck.....	100.00	10.71
Hannah W. Green.....	100.00	10.71
F. L. Rundlett.....	100.00	9.61
Stark lot	200.00	17.12
Wm. M. Parker.....	100.00	8.52
Mary F. Hardy heirs.....	100.00	7.12
Eunice Brown	100.00	7.85
John Cayzer and Mary Parker Cayzer.....	63.00	1.68
Henry Lewis	100.00	.....
James F. and Mary E. Baldwin.....	100.00
	<hr/>	<hr/>
	\$5,403.32	\$1,396.76

Fund	\$5,403.32
Income	1,396.76
	<hr/>
	\$6,800.08
	<hr/>
Cash on hand	\$6,800.08
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Special Funds.

Hannah A. Currier Fund.

FOR CARE OF GATEWAY AT VALLEY CEMETERY.

Amount of fund January 1, 1916.....	\$500.00
	CR.
By cash on hand	\$500.00
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INCOME ACCOUNT.

Interest on hand January 1, 1916.....	\$71.15
Interest, savings bank.....	22.84
	<hr/>
	\$93.99
	CR.
E. C. Smith, Supt., painting gates and fence..	\$15.00
Cash income on hand.....	78.99
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	\$93.99
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E. W. Harrington Fund.

FOR CARE OF LOT AND MAUSOLEUM IN VALLEY CEMETERY.

Amount of fund January 1, 1916.....	\$2,000.00
	CR.
By cash on hand	\$2,000.00
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INCOME ACCOUNT.

Income on hand January 1, 1916.....	\$26.67
Interest, savings bank.....	81.04
	<hr/>
	\$107.71

CR.

E. C. Smith Supt., care of lot and tomb.....	\$33.00	
Cash income on hand.....	74.71	
		<u>\$107.71</u>

Oliver Gould Fund.

FOR CARE OF LOT IN PINE GROVE CEMETERY.

Amount of fund January 1, 1916.....	\$500.00
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CR.

By cash on hand	<u>\$500.00</u>
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INCOME ACCOUNT.

Interest, savings bank.....	\$20.80
-----------------------------	---------

CR.

J. H. Erskine, Supt., care of lot.....	\$12.00	
Cash income on hand.....	8.80	
		<u>\$20.80</u>

Emily E. Killey Fund.

FOR CARE OF LOT AND IMPROVEMENTS, PINE GROVE CEMETERY.

Amount of fund January 1, 1916.....	\$2,500.00
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CR.

By cash on hand	<u>\$2,500.00</u>
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INCOME ACCOUNT.

Interest, savings bank	\$100.33
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CR.

J. H. Erskine, Superintendent.....	<u>\$100.33</u>
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May F. Nichols Fund.

FOR CARE OF VASE AND COVER ON LOT IN PINE GROVE CEMETERY.

Amount of fund December 29 1916.....	\$500.00
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CR.

By cash on hand	\$500.00
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Gale Fund Income Account.

Income on hand January 1, 1916.....		\$227.08
Interest, savings bank	\$9.18	
Income from fund.....	12.00	
		<hr/> 21.18
		<hr/> \$248.26

CR.

E. C. Smith, Supt., care of lot and painting		
fence	\$32.50	
Cash income on hand.....	215.76	
		<hr/> \$248.26

Edith F Stark Fund.

Amount of fund January 1, 1916.....	\$1,000.00
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CR.

By cash on hand	\$1,000.00
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INCOME ACCOUNT.

Interest, savings bank.....	\$20.00
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CR.

By cash income on hand.....	\$20.00
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Moody Currier Fund.

February 18, 1916, received from Henry E. Burnham and Arthur M. Heard, executors of the will of Moody Currier, the sum of five thousand dollars (\$5,000), the income to be paid annually to the trustees of the city library for the purchase of books and added to "Currier Donations."

Amount of fund	\$5,000.00
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CR.

By cash on hand	\$5,000.00
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INCOME ACCOUNT.

Interest, savings bank.....	\$62.01
Cash income on hand	\$62.01

Respectfully submitted,

FRED L. ALLEN,

Treasurer of Trustees of Cemetery Fund.

This is to certify that I have examined the books of account of Fred L. Allen, treasurer of the cemetery funds, embracing the receipts and expenditures for the year 1916, and I find the same correct and properly vouched. I have examined also the securities in which said fund is invested and find as follows:

Pine Grove Cemetery.

20 city of Manchester 5% cemetery bonds, Nos. 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24, 26, 28, due 1942, denomination \$1,000 each	\$20,000.00
2 city of Manchester 5% cemetery bonds, Nos. 1 and 2, due 1942, denomination \$500 each	1,000.00
1 city of Manchester 5% cemetery bond, No. 3, due 1942.....	50.00
16 city of Manchester 3½% city bonds, Nos. 21, 22, 23, 71, 72, 73, 74, 75, 91, 92, 94, 95, 96, 97, 98, 99, due April 1, 1919, denomination \$1,000 each	16,000.00
5 city of Manchester 4% hospital bonds, Nos. 56, 57, 58, 59, 60, due June 1, 1927, denomi- nation \$1,000 each	5,000.00
4 city of Manchester 4% hospital bonds, Nos. 61, 62, 63, 65, due June 1, 1928, denomi- nation \$1,000 each	4,000.00
15 city of Manchester refunding water bonds, 4%, Nos. 62 to 76 inc., due July 1, 1925, de- nomination \$1,000 each.....	15,000.00
20 city of Manchester 4% refunding water bonds, Nos. 81 to 100 inc., due July 1, 1926, denomination \$1,000 each	20,000.00

14 city of Manchester 4% water bonds, Nos. 21, 22, 23, 24, 25, 26, 27, 28, 50, 51, 56, 57, 58, 59, due January 1, 1917, denomination \$1,000 each	\$14,000.00	
4 city of Manchester 3½% municipal bonds, Nos. 41, 42, 43, 44, due July 1, 1922, denomination \$1,000 each	4,000.00	
21 city of Manchester 3½% cemetery bonds, Nos. 1 to 21 inc., due October 1, 1930, denomination \$1,000 each	21,000.00	
1 city of Manchester 4% bond, due October 1, 1933	6,700.00	
9 city of Manchester 4% refunding cemetery bonds, Nos. 7 to 15 inc., due July 1, 1917, to July 1, 1921, denomination \$1,000 each..	\$9,000.00	
19 city of Manchester 4% water bonds, Nos. 81 to 99 inc., due Nov. 1, 1921, denomination \$1,000 each	19,000.00	
14 city of Manchester 4% water bonds, Nos. 61 to 74 inc., due Nov. 1, 1920, denomination \$1,000 each	14,000.00	
5 city of Manchester 4% water bonds, Nos. 75 to 79 inc., due November 1, 1920, denomination \$1,000 each	5,000.00	
2 city of Manchester 4% water bonds, Nos. 41, 42, due November 1, 1919, denomination \$1,000 each	2,000.00	
		\$175,750.00
Cash on deposit in Manchester Savings Bank, Book No. 50420	\$22,070.27	
Cash on deposit in Mechanics Savings Bank, Book No. 3413	5,180.62	
Cash on deposit in Mechanics Savings Bank, Book No. 4407.....	8,688.39	
Cash on deposit in Mechanics Savings Bank, Book No. 4522.....	1,808.00	
Cash in office.....	28.00	
		37,775.28
Total amount of permanent fund and income December 31, 1916.....		\$213,525.28

Valley Cemetery.

5 city of Manchester 4% hospital bonds, Nos. 66, 67, 68, 69, 70, due June 1, 1929, denomination \$1,000 each	\$5,000.00	
5 city of Manchester 4% hospital bonds, Nos. 71, 72, 73, 74, 75, due June 1, 1930, denomination \$1,000 each.....	5,000.00	
10 city of Manchester 4% water bonds, Nos. 43 to 52 inc., due Nov. 1, 1919, denomination \$1,000 each	10,000.00	
5 city of Manchester 4% cemetery refunding bonds, Nos. 16 to 20 inc., due July 1, 1921, to July 1, 1923, denomination \$1,000 each...	5,000.00	
8 city of Manchester 5% cemetery bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due 1942, denomination \$1,000 each	8,000.00	
2 city of Manchester 5% cemetery bonds, Nos. 2 and 4, due 1942, denomination \$50...	100.00	
3 city of Manchester 3½% city bonds, Nos. 81, 92, 100, due April 1, 1919, denomination \$1,000 each	3,000.00	
6 city of Manchester 3½% municipal bonds, Nos. 35, 36, 37, 38, 39, 40, due 1922, denomination \$1,000 each	6,000.00	
6 city of Manchester 5% cemetery bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942, denomination \$100 each	600.00	
	<hr/>	\$42,700.00
Cash on deposit in Mechanics Savings Bank, Book No. 5569.....	\$6,931.48	
Cash on deposit in Amoskeag Savings Bank, Book No. 68808.....	8,226.85	
	<hr/>	15,158.33
		<hr/>
		\$57,858.33
		<hr/> <hr/>

Merrill Yard Cemetery.

1 city of Manchester 4% hospital bond, No. 63, due June 1, 1928.....	\$1,000.00
2 city of Manchester 5% cemetery bonds, Nos. 1 and 2, due 1942, denomination \$100 each	200.00

1 city of Manchester 5% cemetery bond, No. 1, due 1942.....	\$50.00	
		\$1,250.00
Cash on deposit in Amoskeag Savings Bank, Book No. 69517		1,358.16
		\$2,608.16

Piscataquog Cemetery.

Cash on deposit in Amoskeag Savings Bank, Book No. 126853	\$1,016.67	
Cash on deposit in Amoskeag Savings Bank, Book No. 126852	127.12	
Cash on deposit in Amoskeag Savings Bank, Book No. 126851	1,108.23	
Cash on deposit in Amoskeag Savings Bank, Book No. 126854	4,548.06	
		\$6,800.08

Hannah A. Currier Fund.

Cash on deposit in Merrimack Savings Bank, Book No. 42740		\$578.99
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E. W. Harrington Fund.

Cash on deposit in Manchester Savings Bank, Book No. 108743		\$2,074.71
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Oliver Gould Fund.

Cash on deposit in Manchester Savings Bank, Book No. 94650		\$508.80
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Emily E. Killey Fund.

Cash on deposit in Mechanics Savings Bank, Book No. 7815		\$2,500.00
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May F Nichols Fund.

Cash on deposit in Manchester Savings Bank, Book No. 113370		\$500.00
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Gale Fund Income Account.

Cash on deposit in Amoskeag Savings Bank, Book No.

34108 \$215.76

Edith F. Stark Fund.

Cash on deposit in Amoskeag Savings Bank, Book No.

122381 \$1,020.00

Moody Currier Fund.

Cash on deposit in Amoskeag Savings Bank, Book No.

123865 \$5,062.01

Total fund and income on hand December 30, 1916..... \$293,252.12

JAMES E. DODGE,

City Auditor.

REPORT OF THE TRUSTEES OF THE
SINKING FUND.

REPORT OF THE TRUSTEES OF THE SINKING FUND.

To the Mayor and Aldermen of the City of Manchester:

GENTLEMEN—As required by chapter 37, section 4, of the City Ordinances of Manchester, the Trustees of the Sinking Fund of the city Manchester herewith report the condition of the several funds January 1, 1917, with receipts and disbursements for the year ending December 30, 1916.

HARRY W. SPAULDING,

CHAS. H. MANNING,

FRED L. ALLEN,

Trustees of the Sinking Fund.

IMPROVEMENT LOAN.

Total amount of fund January 1, 1916, for the payment of improvement bonds.....		\$121,457.32
Interest on Manchester bonds.....	\$1,371.25	
Interest on Boston bonds.....	364.59	
Interest on bank deposits.....	496.40	
		<hr/> 2,232.24
		<hr/> \$123,689.56
		<hr/>

CR.

City of Manchester:

For the payment of improvement bonds maturing April 1, 1916	\$100,000.00
Cash on hand December 30, 1916.....	23,689.56
	<hr/> \$123,689.56
	<hr/>

WATER LOAN.

Total amount of fund January 1, 1916, for the payment of water bonds	\$95,225.68
Hydrant service, 1916	\$20,000.00
Interest on Manchester bonds.....	2,612.50
Interest on bank deposits.....	610.44
	<hr/> 23,222.94
	<hr/> \$118,448.62
	<hr/>

CR.

Accrued interest paid for purchase of \$21,000 city of Manchester bonds from Improvement Loan.....		\$206.25
Bonds on hand December 30, 1916.....	\$76,000.00	
Cash on hand December 30, 1916.....	42,242.37	
		<hr/> 118,242.37
		<hr/> \$118,448.62
		<hr/>

SCHOOL LOAN.

Total amount of fund January 1, 1916, for the payment of school bonds maturing July 1, 1916.....		\$44,296.29
Interest, Manchester bonds	\$574.00	
Interest, bank deposit.....	668.75	
		<hr/> 1,242.75
		<hr/> \$45,539.04
		<hr/>

CR.

City of Manchester:

For the payment of school bonds maturing July 1, 1916	\$40,000.00
Bonds on hand December 30, 1916.....	2,000.00
Cash on hand December 30, 1916.....	3,539.04
	<hr/> \$45,539.04
	<hr/>

CITY FUNDING LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing April 1, 1919.....		\$81,262.97
Interest, Manchester bonds.....	\$2,657.50	
Interest, bank deposit.....	132.00	
		<hr/> 2,789.50
		<hr/> \$84,052.47
		<hr/>

CR.

Bonds on hand December 30, 1916.....	\$77,000.00
Cash on hand December 30, 1916.....	7,052.47
	<hr/> \$84,052.47
	<hr/>

MUNICIPAL LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing July 1, 1922.....	\$62,841.35
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Appropriation, 1916	\$4,000.00	
Interest, Manchester bonds	1,860.00	
Interest, bank deposit	270.88	
	<hr/>	\$6,130.88
		<hr/>
		\$68,972.23
		<hr/>
		<hr/>

CR.

Accrued interest paid for \$18,000 bonds from improvement loan		\$157.50
Bonds on hand December 30, 1916.....	\$57,000.00	
Cash on hand December 30, 1916.....	11,814.73	
	<hr/>	68,814.73
		<hr/>
		\$68,972.23
		<hr/>
		<hr/>

CITY REFUNDING LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing April 1, 1925.....		\$29,650.45
Appropriation, 1916	\$2,500.00	
Interest, Manchester bonds.....	272.50	
Interest bank deposit	760.36	
	<hr/>	3,532.86
		<hr/>
		\$33,183.31
		<hr/>
		<hr/>

CR.

Bonds on hand December 30, 1916.....	\$11,000.00	
Cash on hand December 30, 1916.....	22,183.31	
	<hr/>	\$33,183.31
		<hr/>
		<hr/>

REFUNDING CITY LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing April 1, 1927.....		\$22,535.91
Appropriation, 1916	\$2,500.00	
Interest, Manchester bonds	440.00	
Interest, bank deposit	413.60	
	<hr/>	3,353.60
		<hr/>
		\$25,889.51
		<hr/>
		<hr/>

CR.

Bonds on hand December 30, 1916.....	\$4,000.00	
Cash on hand December 30, 1916.....	889.51	
City of Manchester notes	21,000.00	
	<hr/>	\$25,889.51
		<hr/>

REFUNDING CITY LOAN.

Amount of fund January 1, 1916, for the payment of bonds maturing April 1, 1929		\$2,500.00
Appropriation, 1916	\$2,500.00	
Interest, savings bank	50.00	
	<hr/>	2,550.00
		<hr/>
		\$5,050.00
		<hr/>

CR.

By cash on hand December 30, 1916.....	\$5,050.00
	<hr/>
	<hr/>

IMPROVEMENT LOAN, SERIES E.

Total amount of fund January 1, 1916, for the payment of bonds maturing April 1, 1930.....		\$32,981.07
Appropriation	\$5,000.00	
Interest, Manchester bonds	300.00	
Interest, Boston bonds	510.41	
Interest, bank deposit	378.97	
	<hr/>	6,189.38
		<hr/>
		\$39,170.45
		<hr/>
		<hr/>

CR.

City of Manchester notes.....	\$2,000.00	
Bonds on hand, December 30, 1916.....	25,000.00	
Cash on hand December 30, 1916.....	12,170.45	
	<hr/>	\$39,170.45
		<hr/>

CEMETERY LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing October 1, 1930.....		\$5,642.48
Appropriation, 1916	\$1,050.00	
Interest, bank deposit.....	215.18	
	<hr/>	1,265.18
		<hr/>
		\$6,907.66
		<hr/>
		<hr/>

CB.

Cash on hand December 30, 1916.....	\$6,907.66
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CEMETERY LOAN.

Total amount of fund January 1, 1916, for the payment of bonds maturing October 1, 1933.....	\$680.05
Appropriation, 1916	\$335.00
Interest, bank deposit.....	23.85
	<hr/> 358.85
	<hr/> \$1,038.90

CB.

Cash on hand December 30, 1916.....	\$1,038.90
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Respectfully submitted,

FRED L. ALLEN,

Treasurer of the Trustees of the Sinking Fund.

This is to certify that I have examined the accounts of Fred L. Allen, treasurer of the Trustees of the Sinking Fund, embracing the receipts and expenditures for the year ending December 30, 1916, and find the same correct and properly vouched. I have also examined the securities in which the fund is invested and find the same as follows:

IMPROVEMENT LOAN.

Cash on hand	
Merchants National Bank.....	\$21,481.69
Amoskeag National Bank.....	1,494.23
First National Bank.....	713.64
	<u>\$23,689.56</u>

WATER LOAN.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
20	Nos. 1 to 20 inc.....	\$1,000	Water	4%	Nov. 1, 1917	\$20,000.00
41	Nbs. 71 to 74 inc., 77 to 84 inc., 89 to 100 inc., 17 to 20 inc., 60 to 65 inc., 3, 4, 35, 38, 39, 40, 44.....					
1	No. 70	\$1,000	Water	4%	Jan. 1, 1917	41,000.00
3	Nos. 21, 22, 23.....	\$1,000	City Funding.....	3½%	April 1, 1919	1,000.00
11	Nos. 40 to 50 inc.....	\$1,000	Municipal	3½%	July 1, 1922	3,000.00
			Refunding	3½%	April 1, 1925	11,000.00
	Bonds on hand					
	Cash on hand Manchester National Bank					\$76,000.00
						<u>42,242.37</u>
						<u>\$118,242.37</u>

SCHOOL LOAN.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
2	Nos. 2 and 3..... Bonds on hand..... Cash on hand Merrimack River Savings Bank Book No. 29164.....	\$1,000	City Funding.....	3½ %	April 1, 1919	\$2,000.00 \$2,000.00 3,539.04 \$5,539.04

MUNICIPAL LOAN.

For the payment of bonds maturing July 1, 1922.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
4 3 50	Nos. 52, 53, 54, 55..... Nos. 26, 27, 28..... Nos. 24 to 34 inc., 45 to 60 inc., 6 to 20 inc., 64 to 71 inc..... Bonds on hand..... Cash on hand First National Bank.....	\$1,000 \$1,000 \$1,000	Water..... Refunding..... Municipal.....	4% 3½ % 3½ %	Jan. 1, 1917 April 1, 1925 July 1, 1922	\$4,000.00 3,000.00 50,000.00 \$57,000.00 11,814.73 \$68,814.73

CITY FUNDING LOAN.

For the payment of bonds maturing April 1, 1919.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
57	Nos. 1, 6 to 20 inc. 29 to 69 inc.....	\$1,000	City Funding.....	3 1/2 %	April 1, 1919	\$57,000.00
14	Nos. 1, 2, 3, 4, 5, 72 to 80 inc.....	\$1,000	Municipal	3 1/2 %	July 1, 1922	14,000.00
6	Nos. 85, 86, 87, 88, 41, 42.....	\$1,000	Water	4 %	Jan. 1, 1917	6,000.00
	Bonds on hand.....	.....	.....	.....	.....	\$77,000.00
	Cash on hand Amoskeag National Bank..	.....	.....	.....	.....	7,052.47
						\$84,052.47

CITY REFUNDING LOAN.

For the payment of bonds maturing April 1, 1925.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
11	Nos. 29 to 39 inc.....	\$1,000	Refunding	3 1/2 %	April 1, 1925	\$11,000.00
	Cash on hand Merchants National Bank	.....	.....	.....	.....	13,928.79
	Cash on hand Mechanics Savings Bank	.....	.....	.....	.....	8,253.52
	Book No. 5811.....	.....	.....	.....	.....	\$33,183.31

REFUNDING CITY LOAN.

For the payment of bonds maturing April 1, 1927.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
4	Nos. 37, 66, 69, 70, City of Manchester Notes..... Bonds and notes on hand..... Cash on hand Manchester Savings Bank Book No. 93112.....	\$1,000 \$21,000	Water	4% 3½%	Jan. 1, 1917 Dec. 30, 1917 Dec. 30, 1918 Dec. 30, 1919	\$4,000.00 21,000.00 \$25,000.00 889.51 \$25,889.51

IMPROVEMENT LOAN (SERIES E).

For the payment of bonds maturing April 1, 1930.

No. of bonds held.	Descriptive Number of Bonds.	Value of bond.	Kind.	Rate of Interest.	Due.	Amount.
5	Registered	\$5,000	City of Boston.....	3 $\frac{1}{2}$ % 3 $\frac{1}{2}$ %	June 1, 1944	\$25,000.00
	City of Manchester Notes.....				Dec. 30, 1917	2,000.00
	Bonds and notes on hand.....				.....	\$27,000.00
	Cash on hand Manchester Savings Bank Book No. 97968.....				.....	12,170.45
						<u>\$39,170.45</u>

REFUNDING CITY LOAN.

For the payment of bonds maturing April 1, 1929.

Cash on hand Manchester Savings Bank No. 110686.....	\$5,050.00
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CEMETERY LOAN.

For the payment of bonds maturing October 1, 1930.

Cash on hand Merrimack River Savings Bank Book No. 45255.....	\$6,907.66
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CEMETERY LOAN.

For the payment of bonds maturing October 1, 1933.

Cash on hand Mechanics Savings Bank Book No. 8808.....	\$1,038.90
Total amount of sinking fund.....	\$411,578.00

JAMES E. DODGE,
City Auditor.

REPORT OF THE CITY PHYSICIAN.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor and Board of Aldermen of the City of Manchester, N. H.:

GENTLEMEN—I herewith submit my annual report as city physician of Manchester, N. H., for the year 1916.

The number of patients treated, not including those at the police station, Isolation Hospital, or for the Board of Public Works, or examinations for the Fire Department, was 42. This necessitated 316 house calls and 110 office calls.

Visits to the police station, 174.

Visits to the Isolation Hospital, 12.

Examinations for the Fire Department, 28.

Accidents for the Board of Public Works, 45.

Necessitating 11 house calls and 173 surgical dressings at the office.

Respectfully submitted,

H. SCOTT PATTEE,

City Physician.

REPORT OF THE CITY SOLICITOR.

REPORT OF THE CITY SOLICITOR.

To His Honor the Mayor and City Councils, City of Manchester:

GENTLEMEN—I hereby submit my report as City Solicitor for the year 1916.

The cases pending in court January 1, 1917, were as follows:

Sess. 24—William F. Harrington and Lawrence J. Harrington v. City of Manchester.

Sess. 42—Elizabeth A. Burns v. City of Manchester.

Sess. 43—Catherine Burns and Francis C. Burns v. City of Manchester.

Eq. 475—Peoples Gas Light Company v. City of Manchester and Board of Assessors, petition for abatement of taxes for the year 1914.

Eq. 745—Harry G. Clough v. City of Manchester, petition for abatement of taxes.

Eq. 768—Peoples Gas Light Company v. City of Manchester, petition for abatement of taxes for the year 1915.

Eq. 1094—Peoples Gas Light Company v. City of Manchester, petition for abatement of taxes for the year 1916.

2065—Constans Christides v. City of Manchester.

2515—C. Fred Fearon v. City of Manchester, claim for damages alleged to have been caused by defective sewers. M. T. '16.

2516—Peoples Laundry Co. v. City of Manchester, claim for damages alleged to have been caused by defective sewers. M. T. '16.

2727—Sarah K. Crafts v. City of Manchester, claim for personal injuries alleged defective street. S. T. '17.

3111—J. B. McCrillis & Son v. City of Manchester, claim for damages alleged to have been caused by defective sewers.

Since the filing of my last report the following cases entered in Court have been disposed of:

Sess. 33—Petition of County of Hillsborough, dismissed, right to bring suit against County under agreement.

10289—Cyprian Soucy v. City of Manchester. Trial in Supreme Court, verdict for City of Manchester.

10289—Endee C. Noury v. City of Manchester. Trial in Supreme Court, verdict for City of Manchester.

2110—J. B. McCrillis & Son v. City of Manchester. Plaintiff took non-suit, but have entered a new suit as above.

Scott M. Wheeler v. City of Manchester. Trial by jury, verdict for plaintiff.

Francena Laird v. City of Manchester. Settled out of Court, by agreement between parties.

Aldegonde Trudeau v. City of Manchester. Settled out of Court by agreement between parties.

Other minor claims against the City of Manchester have been considered and finally adjusted, some through and by order of the Committee on Claims and others by order of the Board of Public Works.

During the past year, under instructions and orders from His Honor, all claims regardless of their size or nature, from all City Departments, have been reported to the Solicitor's office, and investigated by him and such claims as required adjustment, releases have been procured, this makes increased duties for the Solicitor, but, however, the City in general has benefited by this order, as all claims have been investigated immediately, and in many instances suit has been prevented in the Courts.

In disposing of the various matters coming to the attention of the Solicitor many oral and written opinions have been made to the various departments and the drafting of many legal instruments.

As in the past the Solicitor is an attendant at all Board of Mayor and Aldermen meetings, road meetings, committee on claims and with other committees when requested, also attending to all general court work.

The Solicitor's report at best can only be a summary of his general duties, owing to the varied matters coming to his attention during the year.

The Solicitor wishes to express thanks to His Honor the Mayor and Board of Aldermen and the various officials of the municipality for courteous consideration and assistance during his past year in office.

Respectfully submitted,

CHARLES D. BARNARD,

City Solicitor.

RESOLUTIONS, ORDERS, ORDINANCES

RESOLUTIONS, ORDERS, ORDINANCES.

AN ORDER TO PRINT THE SEVENTIETH ANNUAL REPORT OF THE RECEIPTS AND EXPENDITURES OF THE CITY OF MANCHESTER.

Ordered, That the committee on finance be and is hereby authorized to procure for the use of the inhabitants of said city, the printing of the seventieth annual report of the receipts and expenditures of the city of Manchester, including the reports of the city auditor, the school board, and superintendent of schools, superintendent of water works, water commissioners, engineers of fire department, overseer of the poor, trustees, librarian and treasurer of the city library, committee on cemeteries, city physician, city solicitor, engineer, board of public works, superintendent of buildings and such other matter relative to the city affairs as said finance committee may direct; the expense thereof to be charged to the appropriation for printing and stationery.

Passed January 25, 1916.

AN ORDER TO PURCHASE EIGHT HORSES FOR USE IN THE FIRE DEPARTMENT.

Ordered, that the mayor and committee on fire department be and are hereby authorized and empowered to purchase eight horses for use in the fire department of the city of Manchester; the expense thereof to be charged to the appropriation for fire department.

Passed January 25, 1916.

AN ORDER TO PURCHASE HAY, STRAW AND GRAIN FOR USE IN THE FIRE DEPARTMENT.

Ordered, That the mayor and committee on fire department be and are hereby instructed to purchase all hay, straw and grain used in the fire department of the city of Manchester for the ensuing year; the expense thereof to be charged to the appropriation for fire department.

Passed January 25, 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Commencing at the terminus of the sewer in Cartier east back street south of Sullivan street, as ordered built by the board of mayor and aldermen July 16, 1912, and thence in a southerly direction about seventy-five (75) feet in Cartier east back street; commencing at the sewer line of Beech street and thence in an easterly direction to the sewer line of Beech east back street in North street; commencing at the sewer line of North street and thence in a southerly direction to the sewer line of Salmon street in Beech east back street; commencing at the southerly terminus of the sewer as ordered in by the board of mayor and aldermen August 3, 1909, and thence in a southerly direction to the sewer line of Young street in Riley avenue; and the expense thereof to be charged to the appropriation for new sewers.

Passed April 18, 1916.

AN ORDER RELATING TO THE PURCHASE AND SETTING OUT OF TREES.

Ordered, That the committee on city planning be and hereby is authorized to expend the sum of three hundred dollars for the purchasing and setting out of trees to the end that a proper interest may be developed in the care and protection of trees among school children and further authorized to arrange for a course of lectures to be given to grammar school children; the expense thereof to be charged to the appropriation for setting trees.

Passed May 2, 1916.

AN ORDER TO PURCHASE MOTOR APPARATUS FOR USE IN THE FIRE DEPARTMENT.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase for the fire department one chassis to replace Cadillac chassis at engine company No. 3, and one automobile for the use of the second deputy chief engineer: the expense thereof to be charged to the appropriation for new motor apparatus.

Passed May 2, 1916.

AN ORDER RELATING TO THE DECORATION OF SOLDIERS' GRAVES.

Ordered, That the Louis Bell Post, No. 3, G. A. R., be and is hereby authorized and empowered to expend the sum of four hundred dollars for the decoration of soldiers' graves and the said Louis Bell Post and the Spanish War Veterans; said sum of four hundred dollars to be charged to the appropriation for decoration of soldiers' graves, Louis Bell Post, G. A. R.; and that the Joseph Freschl Post, G. A. R., be and is hereby authorized and empowered to expend the sum of one hundred dollars for the decoration of soldiers' graves of the Joseph Freschl Post; said sum of one hundred dollars to be charged to the appropriation for decoration of soldiers' graves, Joseph Freschl Post, G. A. R. said sums of four hundred dollars and one hundred dollars to be expended under the direction of the mayor.

Passed June 6, 1916.

AN ORDER RELATING TO BAND CONCERTS.

Ordered, That the mayor be and is hereby authorized and empowered to expend the present year for open air band concerts an amount not exceeding three hundred dollars; said sum of three hundred dollars to be divided equally between the First Regiment band, Germania band, Lafayette band, City band, Cadet band and one Polish band; said sum of three hundred dollars to be charged to appropriation for band concerts.

Passed June 6, 1916.

AN ORDER TO INSTALL THIRTY-TWO 100 C. P. TUNGSTEN LIGHTS AND ONE 600 C. P. TUNGSTEN LIGHT.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to install thirty-two 100 c. p. Tungsten lights and one 600 c. p. Tungsten light with proper fixtures for operating the same, the expense thereof to be charged to the appropriation for lighting streets said lights to be located as follows: 100 c. p. Tungsten light—Corner of Concord and Highland streets; corner of Oakland avenue and Revere avenue; corner of Oakland avenue and Mystic avenue; corner of Oakland avenue and Highland Park avenue; corner of Old Falls road and Old Falls avenue; corner of Bell and Hanover streets; on Cumberland street between Amory and Monitor; corner of Montgomery and Bremer streets; corner of Hevey and Mason streets; corner of Schuyler street and Notre Dame avenue;

corner of Green and Douglas streets; corner of College avenue and Rockland avenue; corner of Lamprey street and New Mast road; on New Mast road between Shirley Hill road and Manchester-Goffstown town line; corner of Beech and Summer streets; corner of Grove and Hall streets; corner of Hall and Clay streets; corner of Rosedale avenue and Calef road; corner of Union and Norfolk streets; corner of Beech and Gold streets; on Gold street between Beech street and Calef road; on Wellington road from Mammoth road easterly, 4 lights; corner of Rockland avenue and Gove street; corner of Rockland avenue and Plymouth street; corner of Rockland avenue and Kingston street; corner of Bedford and Newell streets; corner of Bedford and Payson streets; on South Beech street between Titus avenue and Gold street, 2 lights. 600 c. p. Tungsten light—Corner of Rimmon and Wayne streets.

Passed June 20, 1916.

AN ORDER TO DISCONTINUE TWELVE 600 C. P. TUNGSTEN LIGHTS AND
INSTALL TWELVE 100 C. P. TUNGSTEN LIGHTS.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to discontinue the twelve 600 c. p. Tungsten lights at the following locations and substitute 100 c. p. Tungsten lights: Corner of Winter Place and North Hampshire lane; corner of Dean street and North Hampshire lane; corner of Langdon street and North Hampshire lane; corner of Nutfield lane and Seneca lane; corner of Bridge street and Mammoth road; corner of Rockland avenue and Shirley Hill road; corner of Rockland avenue and Wilkins street; corner of State and Newell streets; on Payson street, relocate at corner of Payson and State streets; corner of Beech street and Titus avenue; on Beech street near Gold street; on Rimmon street beyond Wayne street; the expense thereof to be charged to the appropriation for lighting streets.

Passed June 20, 1916.

AN ORDER TO DISCONTINUE THREE 100 C. P. TUNGSTEN LIGHTS AND IN-
STALL THREE 600 C. P. TUNGSTEN LIGHTS.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to discontinue the 100 c. p. Tungsten lights at the following locations and substitute 600 c. p. Tungsten lights:

Corner of Bell and Pine streets; corner of Amory and Hevey streets; corner of Putnam and Dubuque streets; the expense thereof to be charged to the appropriation for lighting streets.

Passed June 20 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: beginning at the sewer line of Cilley road, thence in a southerly direction to the sewer line of Manning street in Taylor street; commencing at the sewer line of Stark avenue and thence in a northerly direction about three hundred (300) feet in Union street; commencing at the northerly terminus of the sewer as ordered built by the board of mayor and aldermen October 7, 1902, and thence in a northerly direction about three hundred fifty (350) feet in Union street; commencing at the sewer line of Belmont street and thence in an easterly direction to the sewer line of Taylor street in Cilley road; commencing at the sewer line of Orchard avenue thence in an easterly direction to the sewer line of Woodland avenue in Candia road; commencing at the sewer line of Kelley street and thence in a southerly direction to the sewer line of Amory street in Kimball street, commencing at the sewer line of Morgan street and thence in a westerly direction to the sewer line of Kimball street in Kelley street; the expense thereof to be charged to the appropriation for new sewers.

Passed June 20 1916.

AN ORDER TO ERECT A HOSE HOUSE AT LAKE MASSABESIC, SO CALLED, IN THE CITY OF MANCHESTER.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to build a hose house at Lake Massabesic, so called, in the city of Manchester; the expense thereof not to exceed the sum of one thousand dollars and to be charged to the appropriation for hose house at Lake Massabesic; said house to be located at the southwest corner of Candia road and Londonderry turnpike upon a site selected by the committee on fire department and upon land owned by the city of Manchester.

Passed June 20 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Commencing at the sewer line of Massabesic street and thence in a southerly direction about one hundred fifty (150) feet in Clifford avenue; commencing at the northerly terminus of the present sewer in Sylvester street and thence in a northerly direction to the sewer line of Mast street in Sylvester street; commencing at the sewer line of Sylvester street and thence in a westerly direction to the sewer line of Clement street in Fenton street; commencing at the sewer line of Belmont street and thence in an easterly direction to the sewer line of Taylor street in Silver street; the expense thereof to be charged to the appropriation for new sewers.

Passed July 18, 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Commencing at the sewer line of Woodbine avenue and thence in an easterly direction to the sewer line of Orchard avenue in Candia road; commencing at the sewer line of Hall street and thence in an easterly direction to the sewer line of Belmont street in Harvard street; commencing at the northerly terminus of the present sewer in Ray street, north of Clark street, thence in a northerly direction to the sewer line of Carpenter street in Ray street; the expense thereof to be charged to the appropriation for new sewers.

Passed September 19, 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Beginning at the sewer line of Mammoth road and thence in an easterly direction to the sewer line of Revere avenue in Longwood avenue; commencing at the sewer line of Goffstown road thence in a southerly direction about one hundred twenty-five (125) feet in Maxwell street; beginning at the sewer line of East High street and thence in a southerly direction to the sewer line of Lowell street in Malvern street; commencing at the southerly terminus of the present sewer in South Willow street and thence in a southerly direction to the sewer line of Martin street in South Willow street; the expense thereof to be charged to the appropriation for new sewers.

Passed October 17, 1916.

AN ORDER TO INSTALL TWENTY-FOUR 100 C. P. TUNGSTEN LIGHTS AND
DISCONTINUE SIX 600 C. P. TUNGSTEN LIGHTS.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to install twenty-four 100 c. p. Tungsten lights with proper fixtures for operating the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows: 100 c. p. Tungsten lights—Corner of Birch and Washington streets; corner of Beech and Bell streets; corner of Hall and Howe streets; on Pine street between Hayward and Silver streets; corner of Holly avenue and Hall street; on Island Pond road in front of Libby's house; corner of Lafayette and Amory streets; corner of Glenwood avenue and Boynton street; on Boynton street near the corner of Erie street; corner of Edgemere avenue and Calef road; on Charles street between Spring and West Bridge street; corner of Congress and Amory streets; corner of Kimball and Amory streets; corner of Boynton and Prince streets; corner of Boynton and Bank streets; on Boynton street at top of hill; on Boynton street at stated intervals beginning at the corner of McDuffie street, five lights; corner of Maple and Willow streets; on Willow street at bend in the road below driving park; on Pine street opposite the public library; and to discontinue the six 600 c. p. Tungsten lights at the following locations: On Charles street between Spring and West Bridge streets; corner of Congress and Amory streets; corner of Boynton and Prince streets; corner of Boynton and Bank streets; on Boynton street at top of hill; corner of Maple and Willow streets.

Passed November 21, 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Commencing at the easterly terminus of the present sewer in Grove south back street, west of Beech street; thence in an easterly direction to the sewer line of Beech street in Grove south back street; commencing at the sewer line of Grove south back street and thence in a southerly direction to the sewer line of Bell south back street in Beech street; the expense thereof to be charged to the appropriation for new sewers.

Passed November 21, 1916.

AN ORDER TO INSTALL A FIRE ALARM BOX.

Ordered, That the committee on fire department be and hereby is authorized and empowered to install a fire alarm box with proper fixtures for operating the same at the corner of Chestnut and Central streets; the expense thereof to be charged to the appropriation for fire alarm telegraph.

Passed December 19, 1916.

AN ORDER TO PURCHASE TWO GASOLINE PUMPING ENGINES FOR USE IN
THE FIRE DEPARTMENT.

Ordered, That the mayor and standing committee on fire department be and are hereby authorized to purchase for the fire department two motor driven gasoline pumping engines of the type known as the triple combination; the expense to be charged to the appropriation for gasoline pumping engines for fire department.

Passed December 19, 1916.

AN ORDER TO BUILD CERTAIN SEWERS.

Ordered, That the board of public works be and is hereby authorized to build certain sewers as follows: Commencing at the sewer line of Lake avenue and thence in a northerly direction to the sewer line of Central street in Kenney street; commencing at the sewer line of Belmont street and thence in an easterly direction to the sewer line of Taylor street in Young street; commencing at the westerly terminus of the present sewer in Blaine street and thence in a westerly direction one hundred and fifty (150) feet in Blaine street; commencing at the sewer line of Mason street and thence in a southerly direction to the trunk line sewer south of Mason street in Hevey street; commencing at the present westerly terminus of the sewer in Goffstown road and thence in a westerly direction about one hundred seventy-five (175) feet in Goffstown road; the expense thereof to be charged to the appropriation for new sewers.

Passed December 19, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 19 OF CHAPTER 19 OF THE LAWS AND ORDINANCES, RELATING TO THE ERECTION OF A PORTABLE CANOPY OVER THE SIDEWALK IN FRONT OF THE ENTRANCE TO THE BARTON STORE AT 855 ELM STREET.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 19 of chapter 19 of the laws and ordinances for the purpose of allowing the Barton company to erect and maintain during stormy weather only over the sidewalk in front of the entrance to its store at 855 Elm street a portable canopy; said canopy to be sixteen feet long, seven feet wide and eight feet, four inches above the sidewalk; said canopy to be in accordance with accompanying sketch with the exception that the use of side curtains is prohibited.

SECT. 2. The intent of this ordinance is to amend section 19 of chapter 19 of the said laws and ordinances for the above mentioned purpose and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed January 3, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 19 OF CHAPTER 19 OF THE LAWS AND ORDINANCES, RELATING TO THE ERECTION OF A MARQUISE OVER THE SIDEWALK IN FRONT OF THE ENTRANCE TO THE BUILDING NUMBERED 834 ELM STREET.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 19 of chapter 19 of the laws and ordinances for the purpose of allowing the estate of Seth K. Jones and Inter-National Co. to erect and maintain a marquise over the sidewalk in front of the entrance to the building numbered 834 Elm street; said marquise to be seven feet in width, to project not more than eight feet from the building, and the lowest part thereof to be eight feet above the sidewalk; said marquise to be safely attached to said building, to be strongly supported and to be erected under the supervision and to the satisfaction of the superintendent of buildings.

SECT. 2. The intent of this ordinance is to amend section 19 of chapter 19 of said laws and ordinances for the above mentioned purpose and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed February 8, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 443, 444 AND 445 OF THE
BUILDING CODE, RELATING TO FIRE ESCAPES.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 443 of the building code by striking out the whole of said section and substituting the following new section:

SECT. 443. In addition to the above described stairways, theatres or buildings, used wholly or in part as theatres, buildings containing halls used for public assemblies of any kind, factories, mills, workshops, hotels, schoolhouses, orphan asylums, reformatories of any kind, hospitals, and lodging-houses or boarding-houses, shall be provided with fire escapes; all fire escapes to be installed on said buildings shall be designated in three classes:

Class 1. All fire escapes to be installed on theatres or buildings used wholly or in part as theatres shall be designated as "Class 1" and shall be constructed as follows: There shall be balconies not less than three feet in width in the said open court or courts at each level or tier above the parquet on each side of the auditorium, and all exit doors leading to fire escapes shall be not less than two feet, ten inches in width, and shall be made to open outward and be equipped with improved panic latches. The balconies shall be of sufficient length to embrace the two exits, and from said balconies there shall be stair cases extending to the ground level, with a rise of not over eight and one-half inches to a step and not less than nine-inch tread exclusive of the nosing. The staircase from the upper balcony to the next below shall be not less than thirty inches in width in the clear, and from the first balcony to the ground three feet in width in the clear where the seating capacity of the auditorium is for one thousand persons or less, three feet six inches in the clear where exceeding one thousand persons and not more than eighteen hundred; four feet in the clear where exceeding eighteen hundred persons.

All the forementioned balconies and staircases shall be constructed of wrought iron or steel throughout, and be of ample strength to sustain the load to be carried by them, and shall be covered with a metal hood or awning, and such staircases shall have a strong rail on each side.

Where one side of the building borders on a street, there shall be balconies and staircases of like capacity and kind, as before mentioned, carried to the ground, and shall be constructed according to the specifications for a Standard Fire Escape (as otherwise shown under that heading), except where the width is greater than three feet it shall be constructed to carry a minimum "live load" uniformly distributed of eighty pounds to the square foot

and constructed in such manner as shall be approved by the superintendent of buildings.

Class 2. All fire escapes to be installed on buildings containing halls to be used for public assemblies of any kind, factories, mills, workshops, hotels, schoolhouses, orphan asylums, reformatories of any kind and hospitals, which are three or more stories in height, shall be designated as "Class 2," and shall be erected and constructed according to the specifications for a Standard Fire Escape (as otherwise shown under that heading).

The balconies shall not be less than three feet in width and stairways not less than thirty inches in width, extending to the ground level; except where the fire escape projects over highway or driveway, the lower balcony may connect with an approved cantilever stair.

All buildings included in this title shall have door openings not less than thirty-four inches in width opening on to fire escapes, all such doors to be glass paneled, properly equipped with panic latches and to open outward.

The locations of fire escapes in all buildings requiring a "Class 2" fire escape shall be conspicuously placarded during the day and all buildings which are occupied at night shall have all public halls, stairways and passageways properly lighted at the head and foot of each flight of stairs and at the intersection of public and private halls with main corridors; at the point of egress to each fire escape shall be kept during the night a red light; there shall be kept posted in a conspicuous place in every sleeping room a notice descriptive of such means of escape.

Class 3. All fire escapes to be installed on buildings occupied as a lodging-house or boarding-house above the second story and all buildings used and occupied as an apartment or tenement house above the third floor shall be designated as "Class 3" and shall be erected and constructed according to the specifications for a Standard Fire Escape (as otherwise shown under that heading).

Balconies shall be not less than thirty inches in width and stairways not less than two feet in the clear. The location of exits to all such fire escapes shall be designated by red lights during such hours of the night as the building is occupied for the purposes designated under "Class 3."

SECT. 2. Amend section 444 of the Building Code by striking out the whole of said section and substituting the following new section:

SECT. 444. *Standard Fire Escapes.* Fire escapes to be of iron or steel, with balconies at each story above the first, and in no case the balconies to be more than nine inches below the top of the door or window sills with which they connect.

Wherever circumstances will permit, the stairs to be on the outside of the balconies, with equal width passageway next to the building and a three-inch hand space between the same.

The brackets to be not more than four feet apart. The top member of main brackets to be two and one-half inches by three inches angle; with one-inch bolt extending through the wall with nut and not less than five-inch washer inside; the brace to be two and one-half inches by two and one-half inches angle, securely bolted or riveted at top and entering the wall at least four inches at bottom, with a shoulder resting on a heavy washer. The brackets in passageways to be similar, with a one-inch bolt passing through the wall with nut and not less than five-inch washer inside.

The floors of the balconies to be one and one-fourth inches by one-quarter inch bars, set on edge, one and one-half inches on centers, stayed by separator bolts at least every two feet and securely bolted to brackets. Extra bearing piece to be put in wherever circumstances require.

The stairs, when practicable, to have an incline not greater than forty-five degrees. The stringers to be not less than six inches by three-eighths of an inch in size, well secured to the brackets at top and bottom, provided with suitable angles or brackets to support the treads, and properly braced. The treads to be one and one-quarter inches by one-quarter of an inch bars, set on edge, with two separator bolts, not less than seven and one-half inches wide, and securely bolted in place. The rise not to exceed nine inches. The stairs must in all cases descend to the ground, except where the fire escape projects over a highway or driveway; the lower balcony may connect with approved cantilever stairs.,

In all cases where the cantilever stairs are used to reach the ground, the base of the bracket under balconies and the underside of cantilever shall be not less than nine feet above the sidewalk level next to the building.

The balustrades or balconies and each side of stairs to have hand-rails one and one-half inches by three-eighths inch in size, set flatwise, or one and one-quarter by one and one-quarter inches angle, not less than three feet in height above the floor or front of treads and well secured to walls and posts. The filling to be five-eighths inch round or square uprights not more than eight inches apart, or any approved flat, cross or fancy work equivalent. The balustrades to be well braced at least every six feet.

All fire escapes to be painted two coats, the first to be pure white lead and linseed oil. The second coat to be pure red lead and linseed oil and not to be put on until after the work has been inspected and approved by the superintendent of buildings.

All materials used to be the best of their several kinds, and all work done in a most workmanlike manner. Wherever deemed necessary the walls to be reinforced as the superintendent directs.

Plans and specifications for all fire escapes to be built or constructed in the city of Manchester shall be submitted and approved by the superintendent of buildings before such construction shall have begun.

SECT. 3. Amend section 445 of the building code by striking out the whole of said section and substituting the following new section:

SECT. 445. All fire escapes after being installed shall be properly maintained by owners of said property.

SECT. 4. All ordinances or parts of ordinances inconsistent with this ordinance are hereby repealed and this ordinance shall take effect upon its passage.

Passed April 18, 1916.

AN ORDINANCE IN AMENDMENT OF SECTIONS 27 AND 30 OF CHAPTER 6 OF THE LAWS AND ORDINANCES, RELATING TO THE SALARIES OF THE MEMBERS OF THE BOARD OF PUBLIC WORKS AND BOARD OF HEALTH.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 27 of chapter 6 of the laws and ordinances in the third line thereof after the word "of" by striking out the words "seven hundred and fifty" and inserting the words "four hundred," so that said section, as amended, shall read as follows:

SECT. 27. Each member of the board of public works shall receive in full for all services by him performed the sum of four hundred dollars per annum, payable semi-monthly.

SECT. 2. Amend section 30 of chapter 6 of the laws and ordinances in the second line thereof after the word "services" by striking out the words "three hundred and eighty" and inserting the words "two hundred," so that said section, as amended, shall read as follows:

SECT. 30. Each member of the board of health shall receive in full for his services, two hundred dollars per annum, to be paid quarterly.

SECT. 3. This ordinance shall take effect January 1, 1917, and all ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Passed May 2, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 262 OF THE BUILDING CODE, RELATING TO THE ERECTION OF TWO ADDITIONAL STORIES ON BUILDING OWNED BY TIMOTHY F. LANDRIGAN.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 262 of the building code entitled, "location on lot," so as to permit Timothy F. Landrigan to alter the one-story building situate on Spruce street between Hall and Massabesic

streets by adding two additional stories to said structure; the building in all other respects to conform with the requirements of the building code and to be in accordance with accompanying blue print plan which is hereby made a part of this ordinance.

SECT. 2. The intent of this ordinance is to amend the said building code for the purpose of allowing Timothy F. Landrigan to make the alterations hereinbefore stated and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed June 6, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 3 OF CHAPTER 46 OF THE
LAWS AND ORDINANCES, RELATING TO PUBLIC DANCES.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 3 of chapter 46 of the laws and ordinances by adding the following after the word "rooms": "provided, however, that the provisions of this section shall not apply to summer dance halls, so called, wherein there are no ladies' rooms;" so that said section, as amended, shall read as follows:

SECT. 3. Matrons shall be employed at every public dance and have entire charge of ladies' rooms, provided, however, that the provisions of this section shall not apply to summer dance halls, so called, wherein there are no ladies' rooms.

SECT. 2. This ordinance shall take effect upon its passage.

Passed July 11, 1916.

AN ORDINANCE REGULATING THE PRACTICE OF MIDWIFERY IN THE CITY
OF MANCHESTER.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. No person, other than a duly licensed physician, shall practice midwifery in the city of Manchester without obtaining a permit therefor from the board of health of said city, who shall grant such permit upon application under such restrictions and regulations as it may prescribe.

SECT. 2. Such permits shall expire annually on the thirty-first day of May and may be revoked by the board of health at any time after a hearing for failure to comply with the provisions of said permit or with the regulations of the said board of health.

SECT. 3. This ordinance shall take effect upon its passage.

Passed September 12, 1916.

AN ORDINANCE IN AMENDMENT OF SECTION 7 OF CHAPTER 19 OF THE LAWS AND ORDINANCES, RELATING TO THE ERECTION OF MARQUISES OR PORTE COCHERES.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 7 of chapter 19 of the laws and ordinances in the fourth line thereof after the word "city" by adding the following: "except that by a two-thirds vote of the board of mayor and aldermen, marquises or porte cocheres may be erected under the supervision of the superintendent of buildings," so that said section, as amended, shall read as follows:

SECT. 7. No person shall make, erect, or maintain any door-step, portico, porch, entrance, or passageway to any cellar, basement, or other structure, in or upon any street, lane, alley, or sidewalk in the city, except that by a two-thirds vote of the board of mayor and aldermen, marquises or porte cocheres may be erected under the supervision of the superintendent of buildings. No person shall suffer the platform or grate of the entrance or passageway to his cellar or basement, in any street, lane, alley or sidewalk, to rise above the even surface of such street, lane, alley, or sidewalk and every such entrance or passageway shall be at all times covered by a suitable and substantial platform or grate; or, in case it shall be kept open, it shall be guarded and protected by a sufficient railing, on both sides thereof, at least two feet and a half high, and well lighted at night. No person shall permit or suffer his well, cistern, or drain, in any street, lane, alley, or sidewalk, in the compact part of the city, to be or remain open or uncovered. No person shall make or maintain any opening in any street, lane, alley, or sidewalk opposite the basement windows in any building owned or occupied by him, unless the same shall be covered by a strong iron grate.

SECT. 2. This ordinance shall take effect upon its passage, and all ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Passed September 29, 1916.

AN ORDINANCE IN AMENDMENT OF SECTIONS 1 AND 2 OF CHAPTER 13 OF THE LAWS AND ORDINANCES, RELATING TO HAZARDOUS BUILDINGS.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 1 of chapter 13 in the third line after the words "blacksmith's shop" by adding the following: "establish-

ment for the cleansing of cloths or other articles with inflammable liquids of any kind," and in the eleventh line after the words "blacksmith's shop" by adding the words "cleansing establishment" so that said section, as amended, shall read as follows:

SECT. 1. Within the fire limits of the city of Manchester, no person shall erect or build any steam mill, furnace, foundry, blacksmith's shop, establishment for the cleansing of cloths or other articles with inflammable liquids of any kind, establishment using dangerous or offensive materials, or house for storing powder, nor shall any person use or occupy, or suffer any other person to use or occupy, any building already erected for such purpose, unless the same is built of brick, stone, concrete blocks or reinforced concrete, and unless the board of mayor and aldermen shall give a license therefor. Outside the fire limits of the city of Manchester, no person shall erect or build any steam mill, furnace, foundry, blacksmith's shop, cleansing establishment, establishment using dangerous or offensive materials, or house for storing powder, nor shall any person use or occupy, or suffer any other person to use or occupy, any building already erected for such purpose, unless the same is built of brick, stone or sheathed with metal or other incombustible material and the roof thereof covered with slate or tin, or other incombustible material and unless the board of mayor and aldermen shall give a license therefor.

SECT. 2. Amend section 2 of chapter 13 of the laws and ordinances in the sixth line thereof after the words "blacksmith's shop," by adding the words "cleansing establishment," so that said section, as amended, shall read as follows:

SECT. 2. No person shall hereafter erect or build or cause to be erected or built, any buildings for the aforesaid purposes until he has presented to the board of mayor and aldermen a petition therefor, setting out the proposed situation of such steam mill, furnace, foundry, blacksmith's shop, cleansing establishment, establishment using dangerous or offensive materials, or house for storing powder, the materials of which the same is to be built, the dimensions, height, and number of stories of the proposed building, the situation of all boilers therein, the manner in which the same are to be secured or set, the height of the chimney, and the various branches of business to be carried on, or proposed to be carried on, in said building, and obtained a license therefor.

SECT. 3. This ordinance shall take effect upon its passage and all ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Passed November 21, 1916.

AN ORDINANCE IN AMENDMENT OF SECTIONS 20 AND 21 OF CHAPTER 6 OF THE LAWS AND ORDINANCES, RELATING TO COMPENSATION OF MEMBERS OF FIRE DEPARTMENT.

Be it ordained, by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 20 of chapter 6 of the laws and ordinances by striking out the whole of said section and substituting the following new section:

SECT. 20 The chief engineer of the fire department shall have charge of all fire department apparatus, horses, stables and property of every description belonging to the department; he shall attend to all duties appertaining to the fire department, and shall receive in full for his services the sum of twenty-two hundred fifty dollars per annum, to be paid semi-monthly.

The first deputy chief engineer shall perform all duties assigned to him by the board of engineers and shall receive in full for his services the sum of sixteen hundred fifty dollars per annum, to be paid semi-monthly.

The second deputy chief engineer shall perform all duties assigned to him by the board of engineers and shall receive in full for his services the sum of sixteen hundred fifty dollars per annum, to be paid semi-monthly.

The board of engineers shall elect one of its members clerk, who shall record the proceedings of the board, and do such other things as shall be required of him by the said board.

SECT. 2. Amend section 21 of chapter 6 of the laws and ordinances by striking out the whole of said section and substituting in place thereof the following new section:

SECT. 21. The compensation of the several hook-and-ladder, hose, steam fire engine and chemical engine companies who shall personally perform all the duties required by law, shall be as follows: Permanent captains of fire companies, each eleven hundred fifty dollars per annum; permanent lieutenants of fire companies, each, eleven hundred dollars per annum; permanent engineers of fire companies, each, eleven hundred dollars per annum; other permanent men of fire companies, each, eight hundred fifty dollars per annum, for first year, nine hundred fifty dollars per annum, for second year, and ten hundred fifty dollars per annum for third year and thereafter, all payable semi-monthly. Call engineers of steamers, each, two hundred twenty-one dollars per annum; lieutenants of fire companies, each, two hundred six dollars per annum; clerks of fire companies, each, two hundred six dollars per annum; all other members of fire companies, each, one hundred ninety-six dollars per annum; all payable in equal quarterly payments on the first days of January, April, July and October.

Whenever a substitute, except a spare driver, so called, is employed by a permanent fireman, so called, he shall receive the same compensa-

tion as the said permanent fireman, to be paid by the city treasurer, upon voucher of chief engineer duly approved by the committee on accounts.

SECT. 3. This ordinance shall take effect January 1, 1917, and all ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Passed December 5, 1916.

RESOLUTION MAKING A TEMPORARY LOAN OF FIVE HUNDRED THOUSAND DOLLARS (\$500,000) IN ANTICIPATION OF THE TAXES OF THE PRESENT YEAR.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That for the purpose of paying such claims against the city of Manchester as may fall due before the twenty-first day of December, 1916, the city treasurer of said city be and is hereby authorized and empowered to make such temporary loans, from time to time, for the use of the said city, of sums not exceeding the aggregate amount of five hundred thousand dollars (\$500,000); said loans being in anticipation of the taxes of the present year and hereby expressly made payable therefrom; said treasurer giving for the said loans the notes of the said city bearing the authenticating certificate of The Manchester Safety Deposit and Trust Company of Manchester, New Hampshire, said notes to be signed by the said treasurer and countersigned by the mayor of said Manchester, and payable within one year from their respective dates; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed January 25, 1916.

RESOLUTION RELATIVE TO THE REMOVAL OF A CERTAIN BUILDING FROM MERRIMACK COMMON.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, The board of public works of said Manchester in the month of February, 1914, issued a permit to The Barton Company to erect and occupy a certain structure on said Merrimack common, in accord with a certain agreement then and there made, the object and purpose of which having been accomplished; and

WHEREAS, Said Barton Company agreed in part as follows: "To tear down and remove all buildings, machinery, apparatus, and materials of every name and description which it has erected, or caused to be

placed on said premises; to replace and rebuild all walks which have been in any way damaged or disturbed; to replace all trees and shrubs which have been damaged or removed with trees and shrubs similar, or like, in size and kind to those damaged or removed; to replace in first-class condition all railings, fences and fence foundations which it has removed, or changed; to disconnect and remove any service sewer which it is allowed to install; to repair, replace and restore any damage done, changes or alterations made on or about or to the premises"; therefore be it

Resolved, That the board of public works be instructed to cause the removal of said structure and the repair of said common in accord with the terms of said agreement forthwith.

Passed April 18, 1916.

RESOLUTION RELATING TO THE EXEMPTION FROM TAXATION OF THE PLANT BROTHERS AND COMPANY, A MANUFACTURING ESTABLISHMENT, AND THE CAPITAL TO BE USED IN OPERATING THE SAME.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, It is provided by section 11, chapter 55, of the Public Statutes of New Hampshire that "Towns may by vote exempt from taxation for a term not exceeding ten (10) years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town"; and

WHEREAS, The Plant Brothers and Company proposes to put in operation a manufacturing establishment in said Manchester; therefore be it

Resolved, That the said manufacturing establishment, Plant Brothers and Company proposed to be put in operation in said Manchester, and the capital to be used in operating the same, and the business connected therewith, be exempted from taxation for a period of ten (10) years from the first day of April, 1917; provided, however, that said Plant Brothers and Company pay to the city of Manchester, annually, the amount of the state and county tax due in respect to said manufacturing establishment from said city of Manchester to the state of New Hampshire and the county of Hillsborough, as required by an act of the legislature of said state, approved April 9, 1909, and entitled "An act in amendment of section 11 of chapter 55 of the Public Statutes relating to tax exemptions"; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed July 18, 1916.

RESOLUTION RELATING TO THE EXEMPTION FROM TAXATION OF THE FACTORY BUILDING AND ANNEXES TO BE ERECTED OR PUT IN OPERATION BY THE F. M. HOYT SHOE COMPANY.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, It is provided by section 11, chapter 55, of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town;" and

WHEREAS, The F. M. Hoyt Shoe Company proposes to erect a factory building two stories in height which may later be increased to four stories and annexes thereto and to install therein additional machinery situated on land west of Eureka Factory, so called, and south of Silver street in said Manchester, and there to operate a manufacturing establishment with additional capital, stock in trade and machinery to be used in the operation of the same, therefore be it

Resolved, That the said factory building as erected to the height of two stories or as increased during the term of this exemption to the height of four stories and the annexes thereto, and the additional capital, stock in trade, and machinery used therein, on land west of Eureka factory, so called, and south of Silver street, be exempted from taxation for a period of ten years from the 1st day of April, 1917, provided, however, that said F. M. Hoyt Shoe Company pay to the city of Manchester annually the amount of the state and county taxes due in respect to said factory building, annexes, capital, stock in trade and machinery from said city of Manchester to the state of New Hampshire and county of Hillsborough as required by an act of the legislature of said state, approved April 9th, 1909, and entitled, "An act in amendment of section 11 of chapter 55 of the Public Statutes relating to tax exemptions;" and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed July 18, 1916.

RESOLUTION RELATING TO THE ISSUANCE OF ONE HUNDRED THOUSAND DOLLARS SCHOOL BONDS.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the sum of one hundred thousand dollars (\$100,000) be borrowed for the use of said city, by issuing bonds in accordance with an act of the legislature passed at the January session, 1895, entitled,

"An act to authorize municipal corporations to issue bonds;" said sum of one hundred thousand dollars (\$100,000) to be appropriated as follows:

For 16-room school in Bakersville, so called..... \$85,000.00

For the installation of sprinkler systems and to provide additional fire protection in certain school buildings 15,000.00

said bonds to be dated August 1, 1916, and payable to bearer as follows: Five thousand dollars (\$5,000) on each of the following dates: August 1, 1917; August 1, 1918; August 1, 1919; August 1, 1920; August 1, 1921; August 1, 1922; August 1, 1923; August 1, 1924; August 1, 1925; August 1, 1926; August 1, 1927; August 1, 1928; August 1, 1929; August 1, 1930; August 1, 1931; August 1, 1932; August 1, 1933; August 1, 1934; August 1, 1935; and August 1, 1936; said bonds to bear the city seal, to be signed by the mayor and countersigned by the city treasurer, to bear interest at the rate of four per cent (4%) per annum from date of issuance and to have coupons attached bearing the fac-simile signature of the city treasurer for the payment of interest at said rate, semi-annually, on the first days of February and August of each year, and the city treasurer is hereby authorized to fix the place of payment of interest and principal of said bonds and under the instructions of the mayor and the standing committee on finance of the board of mayor and aldermen is authorized to sell said bonds to the highest responsible bidder, and do all things necessary and proper to complete and carry into effect the issue of said bonds; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed July 28, 1916.

RESOLUTION RELATING TO THE ISSUANCE OF ONE HUNDRED THOUSAND DOLLARS STREET IMPROVEMENT BONDS.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the sum of one hundred thousand dollars (\$100,000) be borrowed for the use of the said city by issuing bonds in accordance with an act of the legislature passed at the January session, 1895, entitled, "An act to authorize municipal corporations to issue bonds;" said sum of one hundred thousand dollars (\$100,000) to be appropriated as follows:

For the building of new sewers..... 25,000.00
For the building of permanent streets..... 75,000.00
said bonds to be dated August 1, 1916, and payable to bearer as follows: Five thousand dollars (\$5,000) on each of the following

dates: August 1, 1917; August 1, 1918; August 1, 1919; August 1, 1920; August 1, 1921; August 1, 1922; August 1, 1923; August 1, 1924; August 1, 1925; August 1, 1926; August 1, 1927; August 1, 1928; August 1, 1929; August 1, 1930; August 1, 1931; August 1, 1932; August 1, 1933; August 1, 1934; August 1, 1935; and August 1, 1936; said bonds to bear the city seal, to be signed by the mayor and countersigned by the city treasurer, to bear interest at the rate of four per cent (4%) per annum from date of issuance and to have coupons attached bearing the fac-simile signature of the city treasurer for the payment of interest at said rate, semi-annually, on the first days of February and August of each year, and the city treasurer is hereby authorized to fix the place of payment of interest and principal of said bonds and under the instructions of the mayor and the standing committee on finance of the board of mayor and aldermen is authorized to sell said bonds to the highest responsible bidder, and do all things necessary and proper to complete and carry into effect the issue of said bonds; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed July 28, 1916.

RESOLUTION MAKING A TEMPORARY LOAN OF TWO THOUSAND DOLLARS
FOR THE RELIEF OF SOLDIERS' FAMILIES.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the mayor be and is hereby authorized to make a temporary loan of the sum of two thousand dollars giving for the same the note or notes of the city of Manchester signed by the mayor and countersigned by the city treasurer and payable on or before twelve months from the date of issue; said sum of two thousand dollars to be expended for the purpose of providing relief for the families of soldiers who have been mustered in to the National Guard of the United States and the State of New Hampshire; said money to be expended under the direction of the mayor and only upon his order; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed September 12, 1916.

RESOLUTION RELATING TO THE TRANSFER OF MONEY.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the city clerk be and is hereby authorized to make the following transfer in the appropriation for school department: From port-

able schoolhouse to domestic science equipment, high school, the sum of sixteen hundred dollars (\$1,600); and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed September 12, 1916.

RESOLUTION RELATING TO THE OBSERVANCE OF FIRE PREVENTION DAY.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, October ninth is being observed throughout the country as Fire Prevention Day and the effect of such observance is to call attention to and reduce the fire hazard; therefore be it

Resolved, That this board recommends that Fire Prevention Day be observed in this city and that the citizens, city departments, corporations and organizations be urged to coöperate in cleaning up combustible rubbish, providing fire extinguishing apparatus and do all that which will tend to reduce danger from fire; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed September 29, 1916.

RESOLUTION AUTHORIZING THE BOSTON AND MAINE RAILROAD TO CONSTRUCT A SIDETRACK ACROSS MAPLE STREET IN THE CITY OF MANCHESTER.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That for the accommodation of George A. Leighton of Manchester leave be and hereby is granted to the Boston and Maine Railroad to build and construct a sidetrack upon and across Maple street in said Manchester, said sidetrack having a gauge of four feet eight inches (4'8") and being located as follows: Beginning at a point in the centre of the north sidetrack of the Concord and Portsmouth Branch of the Boston and Maine Railroad about one hundred and fifty-three (153) feet east of the easterly line of said Maple street; thence westerly on the median line of said proposed sidetrack at an angle with said sidetrack produced by a number nine frog, being an angle of six (6) degrees, twenty-one (21) minutes, thirty-five (35) seconds, one hundred and forty-one (141) feet to and across said Maple street to the beginning of a ten (10) degree curve toward the left; thence by said curve to the westerly line of said Maple street to land of petitioner situated on the westerly side of said Maple street; all as appears on a plan made in the office of the division engineer, Southern division, Boston and Maine Railroad.

That said plan accompanying the petition of said Leighton to the board of mayor and aldermen at a meeting held September 12, 1916, be and hereby is made a part of this resolution; and further

Resolved, That this resolution shall take effect on its passage.

Passed October 17, 1916.

RESOLUTION RELATIVE TO THE EXEMPTION FROM TAXATION OF A CERTAIN
MANUFACTURING ESTABLISHMENT AND THE BUSINESS CONNECTED THERE-
WITH PROPOSED TO BE ERECTED AND LEASED BY GEORGE A. LEIGHTON.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, It is provided by section 11, chapter 55 of the Public Statutes of New Hampshire, that "towns may by vote exempt from taxation for a period not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein and the capital to be used in operating the same, unless such establishment has been previously exempted by some town;" and

WHEREAS, George A. Leighton proposes to erect upon land owned by him a manufacturing establishment, to wit; a brick foundry building, thereby bringing to Manchester a new industry; therefore be it

Resolved, That the land owned by the said George A. Leighton and the manufacturing establishment proposed to be erected thereon or put in operation therein and the capital to be used in operating the same, and the business connected therewith by the said George A. Leighton or his lessees be exempted from taxation for a period of ten years from the first day of December, 1916, provided a foundry is conducted on said premises during the said period and is in operation on the first day of December, 1916, and provided further, that the said George A. Leighton or his lessees shall pay to the city of Manchester annually the amount of the state and county taxes due upon all said property during the term of the exemption; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed November 14, 1916.

RESOLUTION AUTHORIZING AN ISSUE OF EIGHTEEN THOUSAND DOLLARS
MUNICIPAL BONDS.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the sum of eighteen thousand dollars (\$18,000) be borrowed for the use of said city by issuing bonds in accordance with an act

of the legislature of New Hampshire, passed at the January session, 1895, entitled, "An act to authorize municipal corporations to issue bonds" and known as the "Municipal Bonds Act, 1895;" said sum to be appropriated for the purpose of purchasing two motor driven gasoline pumping engines for the Manchester fire department. Said bonds to be dated January 1, 1917, and payable to bearer as follows: Five thousand dollars (\$5,000) on each of the following dates: January 1, 1918; January 1, 1919; January 1, 1920; and three thousand dollars (\$3,000) to be paid on January 1, 1921; said bonds to bear the city seal, to be signed by the mayor and countersigned by the city treasurer, to bear interest at the rate of three and one-half (3½%) per annum from date of issue, to have coupons attached bearing the fac-simile signature of the city treasurer for the payment of interest at said rate, semi-annually, on the first days of January and July of each year, and the city treasurer is hereby authorized to fix the place of payment of interest and principal of said bonds, and under the instruction of the committee on finance is authorized to sell said bonds to the highest responsible bidder, and to do all things necessary and proper to complete and carry into effect the issue of said bonds; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed November 21, 1916.

RESOLUTION RELATIVE TO THE EXEMPTION FROM TAXATION OF CERTAIN
PROPERTY OF THE MANCHESTER INSTITUTE OF ARTS AND SCIENCES.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

WHEREAS, It is provided by chapter 115 of the laws of the State of New Hampshire passed at the January session, 1913, in an act entitled "An act to exempt property of educational, charitable and religious institutions and of temperance societies from taxation," that certain property of such educational, charitable and religious institutions shall be exempt from taxation to the amount of one hundred fifty thousand dollars; and

WHEREAS, Cities are authorized to increase such exemptions to such an amount as the city government may vote and the mayor approve; and

WHEREAS, The Manchester Institute of Arts and Sciences is an institution whose object is to further education in the arts and sciences; therefore be it

Resolved, That the property of The Manchester Institute of Arts and Sciences, which is of the kind and character exempt from taxa-

tion under the provisions of chapter 115 of the Session Laws of 1913 to the amount of one hundred fifty thousand dollars, shall be exempt from taxation to the amount of four hundred thousand dollars; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed November 21, 1916.

RESOLUTION AUTHORIZING A TEMPORARY LOAN OF SIX THOUSAND DOLLARS FOR THE USE OF THE SCHOOL DEPARTMENT.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the mayor be and is hereby authorized to make a temporary loan of six thousand dollars, (\$6,000) giving for the same the note or notes of the city of Manchester signed by the mayor and countersigned by the city treasurer, and payable on or before twelve months from date of issue; said sum to be expended for the purpose of paying teachers' salaries; and be it further

Resolved, That the city clerk be and is hereby authorized to transfer said sum of six thousand dollars (\$6,000) to the appropriation for school department; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed November 21, 1916.

RESOLUTION MAKING A TEMPORARY LOAN OF TWENTY-THREE THOUSAND DOLLARS FOR LAND TAKEN FOR HIGHWAYS.

Resolved by the Board of Mayor and Aldermen of the City of Manchester, as follows:

That the mayor be and is hereby authorized to make a temporary loan of the sum of twenty-three thousand dollars, (\$23,000) giving for the same the note or notes of the city of Manchester signed by the mayor and countersigned by the city treasurer, and payable on or before thirty-six months from the date of issue; said sum of twenty-three thousand dollars (\$23,000) to be expended for the payment of land taken for new highways, as follows: Land taken from the American Locomotive Company for laying out highway from Valley street to Cove street, \$15,000; land taken from Delia Dean for the widening and straightening of Amory street and Coolidge avenue (or so much thereof as may be necessary), \$7,352.81; land taken from G. Allen Putnam for the laying out of Hayward street, Hall to Belmont, \$647.19; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed December 19, 1916.

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